PIONEER®
The Art of Entertainment

BCCD Bar Code CD · LB LaserBarcode 2 · DVD VIDEO · COMPACT disc DIGITAL AUDIO · COMPACT disc DIGITAL VIDEO

DVD PLAYER

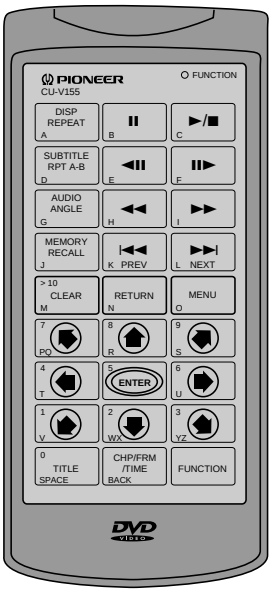
DVD-V7200

NTSC

Operating Instructions (Basic Operations)

Thank you for buying this Pioneer product.
Please read through these operating instructions to learn how to correctly operate your DVD-V7200 player. After you have finished reading the instructions, put them away in a safe place for future reference.

❏ Before operating your unit, please refer to page 8 "Before Using " and page 44 - 48 "Connecting the player."



IMPORTANT

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS — The safety and operating instructions should be retained for future reference.

HEED WARNINGS — All warnings on the product and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

CLEANING — Unplug this product from the wall outlet before cleaning. The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

ATTACHMENTS — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

WATER AND MOISTURE — Do not use this product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

ACCESSORIES — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

CART — A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

VENTILATION — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

POWER SOURCES — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

LOCATION – The appliance should be installed in a stable location.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

GROUNDING OR POLARIZATION

If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

OUTDOOR ANTENNA GROUNDING — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

LIGHTNING — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

POWER LINES — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

OBJECT AND LIQUID ENTRY — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

SERVICING — Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

DAMAGE REQUIRING SERVICE — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

When the power-supply cord or plug is damaged.

If liquid has been spilled, or objects have fallen into the product.

If the product has been exposed to rain or water.

If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

If the product has been dropped or damaged in any way.

When the product exhibits a distinct change in performance — this indicates a need for service.

REPLACEMENT PARTS — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WALL OR CEILING MOUNTING — The product should not be mounted to a wall or ceiling.

HEAT — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

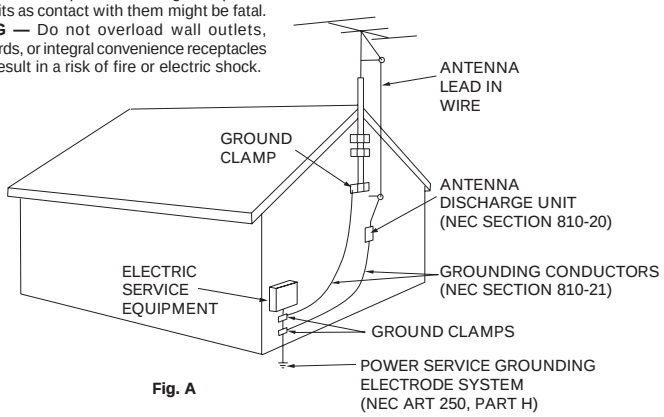


Fig. A

NEC – NATIONAL ELECTRICAL CODE

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The use of optical instruments with this product will increase eye hazard.

[For Canadian model]

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

[Pour le mod le Canadien]

Cet appareil num rique de la Classe B respecte toutes les exigences du R glement sur le mat riel brouilleur du Canada.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

FEDERAL COMMUNICATIONS COMMISSION DECLARATION OF CONFORMITY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Name: DVD player

Model Number: DVD-V7200

Product Category: Class B Personal Computers & Peripherals

Responsible Party Name: PIONEER ELECTRONICS SERVICE, INC.

Address: 1925 E. DOMINGUEZ ST. LONG BEACH, CA 90810 U.S.A.

Phone/Fax Number: (310) 952-2359 / (310) 952-2412

This product is equipped with technology for the protection of copyrights protected by U.S. patent claims and other intellectual property rights possessed by the Macrovision Corporation and other rights holders. Special permission from Macrovision Corporation is required for the use of this copyright-protection technology, and that permission has been received for home use and certain other limited applications. Reverse engineering and disassembly of this technology are prohibited.

Component Features and Functions

1. **High-Reliability, High-Endurance Player**
   This player features a high-performance brushless spindle motor. Mechanical components have been sealed against heat and dust, giving this unit improved reliability.

2. **Half-Rack Size (210 mm width)**
   The half-width size makes it possible to mount two players side-by-side in a single rack installation.

3. **Large Remote Control Unit (wired/wireless)**
   A large, easy-to-use remote control that is similar to ones found with LD (laser disc) players is included.

4. **Frame Search Function**
   For the first time on a DVD player, a frame search option is available. **(Basic Operations: page 22)**

5. **DVD Barcode Function (laser bar code)**
   The laser bar code system used with LD players has been increased to include the DVD technology. The same scanners used previously used will work with a DVD disc barcode.

6. **Barcode Stack/Command Stack Function**
   Previous players were unable to use remote control commands and bar codes to record data as-is onto the program area. Once control commands and bar codes are input, this player quickly and easily switches between successive images allowing more convenient displays demonstrations.
   (Advanced Feature Operations: page 25)

7. **Video Blackboard Function**
   Graphics and characters can be recorded at desired places on the DVD video. The recorded graphics and characters then appear automatically during playback allowing you to compose more effective demonstrations and presentations.
   (Advanced Feature Operations: page 17)

8. **Mouse Control***
   Instead of just the remote control, a PS/2 pointing device can be used to control the player as well. This allows selecting specific locations by the point-and-click method.
   (Advanced Feature Operations: page 6)

9. **Weekly Timer / Power-On Start Function***
   This function allows the user to set desired daily power on/off times and the starting image title. This function can also be used in conjunction with the barcode/command stack to allow programmed playback.

10. **External Control Function (RS-232C, external option switch)**
    Equipped with RS-232C commands compatible with LD (laser disc) protocol, and also supporting DVD, video CD, and CD playback. An additional external connection switch terminal is also provided for connections other than to RS-232C interface connectors. By connecting a switch to this terminal, direct selection can be made of DVD video menu selections and barcode/command stack commands.

11. **External Sync Input**
    This terminal allows output of video signals linked to an external sync signal.
    (Advanced Feature Operations: page 45)

12. **Hyper Video**
    Using a mouse, the user may access related video segments by simply clicking on transparent video object buttons that were created by the disc title developers.

13. **Dolby Digital***
    Connect to a Digital Surround Amp and Surround Processor for 5.1ch Dolby Digital Surround entertainment.

14. **GUI Operation**
    While viewing Pioneer's original GUI on-screen displays, you can control the player with a remote control. Even discs without a recorded menu can still perform GUI operation through the player-provided menu.
    (Basic Operations: page 31)

15. **Still Frame, Slow Play, Single Frame Advance***
    You can view still frames, do slow play and advance one frame at a time.
    (Basic Operations: page 24)

16. **Repeat Play***
    Wide range of Repeat Play possibilities.
    (Basic Operations: page 23)

17. **Multilingual Subtitles***
    You can select different subtitle languages when watching movies and other videos.
    (Basic Operations: page 29)

18. **Multi-Angle***
    This feature lets scenes be viewed from different angles.
    (Basic Operations: page 29)

19. **Multiple Languages***
    With discs that have multiple language soundtracks, you can select between the different languages.
    (Basic Operations: page 28)

20. **Parental Level***
    Lets you select a "parental level" (user restriction level) to prevent children viewing undesirable material.
    (Basic Operations: page 38)

21. **PBC Video CD Compatibility**
    Supports playback of Video CDs (Version 2.0) with PBC (Play Back Control). There are two types of playback possible depending upon the disc.

* This feature may not be possible with all discs.

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Using a Barcode/Command Stack

See the provided Advanced Feature Operations manual for information about advanced operations.

	Page	DVD	CD	VIDEO CD	
	16	●	●	●	Basic Operation
	17	●	●	●	
	18	●	●	●	
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	27	●	●	●	
	28	●			
	28		●	●	
	29	●			
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	30	●	●	●	
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puter ● Sync Generator	45				Set -Up
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(Page in Advanced Feature Operations manual)					Advanced Feature Operations (separate manual)
	3				
	4				
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	10				
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	22				
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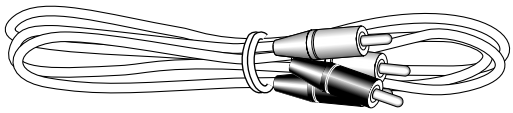
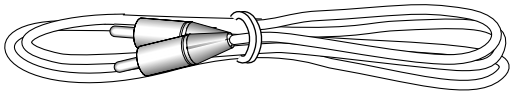
Before Using

Check accessories

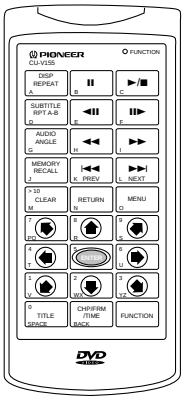
Audio cord



Video cord



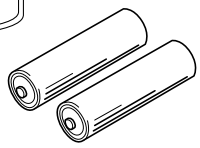
Remote control unit



Other included items:

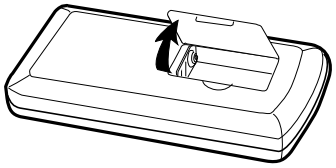
- Laser bar-code sheet
- RF adaptor set clamp
- Screw
- Warranty card
- Operating Instructions (Basic Operations and Advanced Feature Operations)

Batteries....2 (AA/R6P)



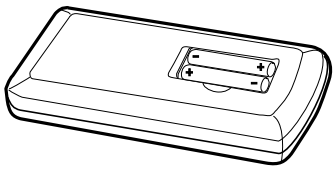
Inserting batteries into the remote control

1



While pressing the back cover, pull out in the direction indicated by the arrow.

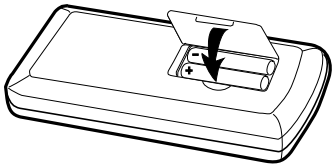
2



Insert batteries.

Make sure to match the plus (+) and minus (–) polarity guides on the batteries with the marks inside the battery compartment.

3



Close the cover.

Note

- Do not mix old and new batteries.
- Even batteries of the same type will differ in voltage. Avoid mixing different type of batteries together.
- When not using the remote control for a long period of time (over 1 month), remove the batteries to avoid possible damage from battery corrosion. If battery leakage occurs, wipe the battery liquid from the battery, then insert new batteries.

Precautions Regarding Use

Installation

- Install the player in a level and stable location.
  Do not use in unbalanced locations, or locations exposed to too much vibration.
- Do not hinder the player's cooling functions. Avoid placing on long-pile carpets, etc. Also do not wrap or cover with towels or cloths when in use. Such coverings can impede the player's cooling function and result in internal damage.
- Do not place objects on top of the player.
- Install in a location which is not exposed to heat sources. Avoid installing the player above an amplifier or other heat-emitting component. If installing the player in a component rack, select a rack with good ventilation and , located well below the amplifier.

Operating Environment

Operating environment temperature and humidity:
+5°C ~ +35°C; less than 85% RH (cooling vents not blocked)

■ Do Not Install in the Following Locations:

- exposed to direct sunlight or strong artificial light
- exposed to dust or smoke
- subject to vibration
- subject to strong electro-magnetic fields
- near sources of heat
- exposed to high levels of electronic noise
- subject to electrostatic noise
- exposed to high humidity, or poor ventilation

Condensation

Moisture will form in the operating section of the player if the player is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the player's performance may be impaired.
To prevent this, let the player stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.
Condensation may also form during the summer if the player is exposed to the breeze from an air conditioner. In such cases, change the location of the player.

Moving the Player

When transporting this player to a new location, be sure to use the packaging provided and avoid subjecting the player to vibration, shock, or dropping. During transport, protect the player from exposure to heat or water.
Before packaging the player, remove any disc loaded, since moving the player with a loaded discs may cause damage to the disc or player's internal parts.

SPECIAL PRECAUTIONS!

Never attempt to move the player while a disc is playing. Discs rotate at very high speeds, and lifting or moving a player at such times could cause damage to the disc.
Subjecting the player to strong impact or vibration when a disc is loaded may cause damage to a disc or the player.
Be sure the player is stopped and no discs are loaded before moving the player.
Verify that the disc tray is empty before lifting the player.
This component is built using precision optical parts. Take care to control temperature and dust inside the room where this player is installed.

- When installing this player for use in a stereo component rack, consider a rack that prevents temperature buildup. Avoid blocking the cooling vents on the top and bottom of player. When using a rack mount, certain conditions must be met regarding attachment of the unit. Please consult your nearest Pioneer dealer for details before installing.

- When multiple players are connected in parallel, a high surge current will be passed through the units when the power is first turned on. Please consult your Pioneer dealer regarding ratings to select the appropriate power switch.

Disc Types Compatible with This

This player is DVD, CD and Video CD compatible.
The marks shown on the right are found on disc labels or on disc jackets.

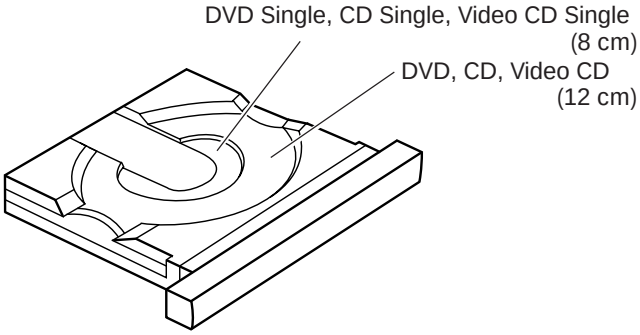
- This player can play all discs bearing the marks on the right without the need for an adaptor.
- To prevent malfunction, avoid using an 8 cm (3 inch) adaptor when playing CDs.

This unit is NTSC compatible (U.S. and Canadian TV system).
You cannot play discs other than those shown on the right.
* During DVD playback, the data transfer rate is at 4.7 MB per second.

Handling the discs

Holding with both hands	
Holding with one hand	

Disc Table



Types of playable discs and their marks	Diameter/Playable sides		Playback time
DVD VIDEO	DVD VIDEO*		Digital audio Digital video (MPEG 2)
	12 cm (5in.)/ single-sided	1 layer 2 layer	133 min. (4.7 GB) 242 min. (8.5 GB)
	12 cm (5in.)/ double-sided	1 layer 2 layer	266 min. (9.4 GB) 484 min. (17GB)
	DVD VIDEO*		Digital audio Digital video (MPEG 2)
	8 cm (3 in.)/ single-sided	1 layer 2 layer	41 min. 75 min.
	8 cm (3 in.)/ double-sided	1 layer 2 layer	82 min. 150 min.
VIDEO CD	VIDEO CD 12 cm (5 in.)/single-sided		Digital audio Digital video (MPEG 1) Max. 74 minutes
	VIDEO CD single 8 cm (3 in.)/single-sided		Digital audio Digital video (MPEG 1) Max. 20 minutes
CD	CD 12 cm (5 in.)/single-sided		Digital audio Max. 74 minutes
	CD single 8 cm (3 in.)/ single-sided		Digital audio Max. 20 minutes

To avoid damage etc., do not play any discs other than those indicated above.

Ex: DVD-Audio, DVD-ROM, CD-ROM, CD-R etc...

Note

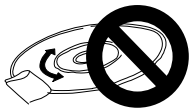
- To play a DVD disc, the Region number on the disc and on the player's rear panel must match.
  (refer to "Terms" on page 54)
- Depending on the kind of DVD used, the special functions of this player (control via mouse, video blackboard, bar-code stack and stack command, etc.) may not operate fully. These functions are designed to operate primarily with DVD, but only a single feature may function with CDs or video CDs.

CARE OF DISCS

How to hold discs
When loading or removing discs, try not to touch the playing surface.

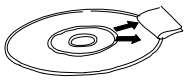
Cleaning
Fingerprints or other dirt on the disc may affect sound and picture quality.

To clean your discs, use a soft clean cloth to wipe them. If necessary, moisten a soft cloth with diluted neutral detergent to remove heavy dirt or fingerprints.



Do not wipe in a circular motion!

(Concentric scratches in the disc groove tend to cause noise)

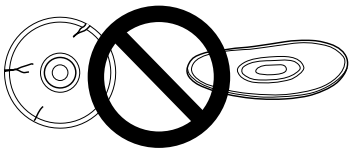


Gently wipe from the inside edge toward the outer edge.

Discs must not be cleaned with record cleaning sprays, static prevention sprays, etc. or volatile liquids such as benzine or thinner, etc.

NEVER PLAY CRACKED OR WARPED DISCS

■ A disc during playback revolves at high speeds. Never play a cracked, scratched or warped disc. This may damage the player or cause it to malfunction.



After using discs, store them upright
After playing a disc, always remove it from the player and return it to its jacket. Then store it standing upright away from heat and humidity.

- Store discs carefully. If you store discs at an angle, or stacked on top of each other, discs may become warped even when in their jackets.
- Do not leave discs in locations such as the seat of a car or glovebox which may become excessively hot.

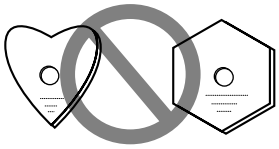
CAUTION WHEN USING THE DISC
All rights reserved.
Unauthorized public performance, broadcasting or copying is a violation of applicable laws.

CLEANING CARE

Use a soft, dry cloth for cleaning. For stubborn dirt, soak the cloth in a weak detergent solution, wring well, then wipe. Use a dry cloth to buff it dry. Do not use any volatile agents such as benzine or paint thinner as they may damage the player case or surface.

Lens cleaner
The player's pickup lens should not become dirty in normal use. If it should malfunction due to dust or grime, please contact the nearest PIONEER authorized service center. Lens cleaners are commercially available but special care should be exercised since some can cause damage to the lens.

Never use CD's with special shapes.
CD's with special shapes (heart-shaped CDs. octagonal CDs. etc.) cannot be played on this set. Attempting to play an odd shaped disc may damage the player and the disc.



Names and Functions

Remote control unit

Function button is not pressed so the light is off

Pause button (II)

Display button (DISP)

Subtitle button

Audio Switching button

Memory button

Clear button

Chapter Skip / Previous button (|◀◀/PREV)

Return button

Enter button

Title button

Play button (▶)

Step buttons (◀II • II▶)

Fast Reverse/Fast Forward buttons (◀◀ • ▶▶)

Chapter Skip / Next button (▶▶| / Next)

Menu button

Direction buttons (⬅ ⬆ ⬇ ⬅ ➡ ⬆ ⬇ ⬆)

Function button

Chapter / Frame / Time button (CHP / FRM / TIME)

Function button pressed (indicator light on)

If no button is pressed, the indicator automatically goes out after 30 seconds.

Repeat button

Repeat A-B button (RPT A-B)

Angle button

Recall button

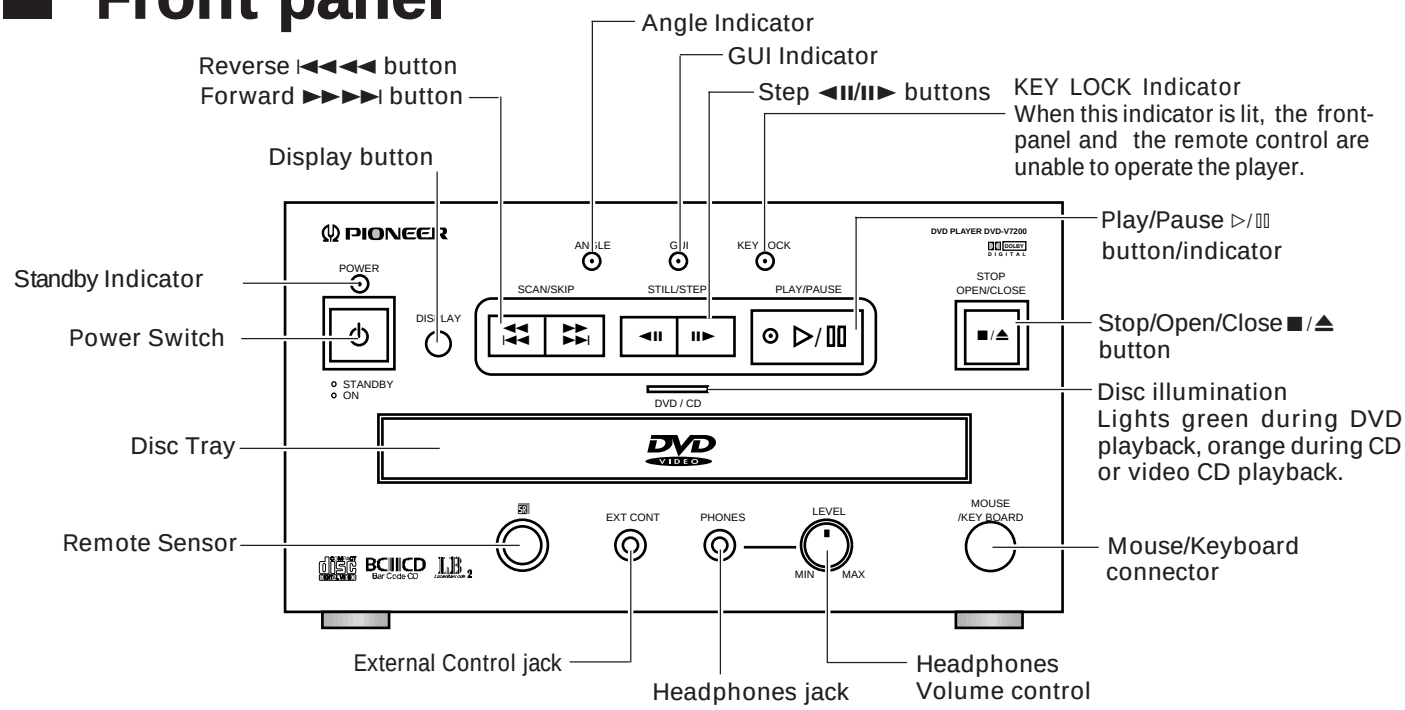
Stop button (■)

Number buttons (0~9, >10)

Function button

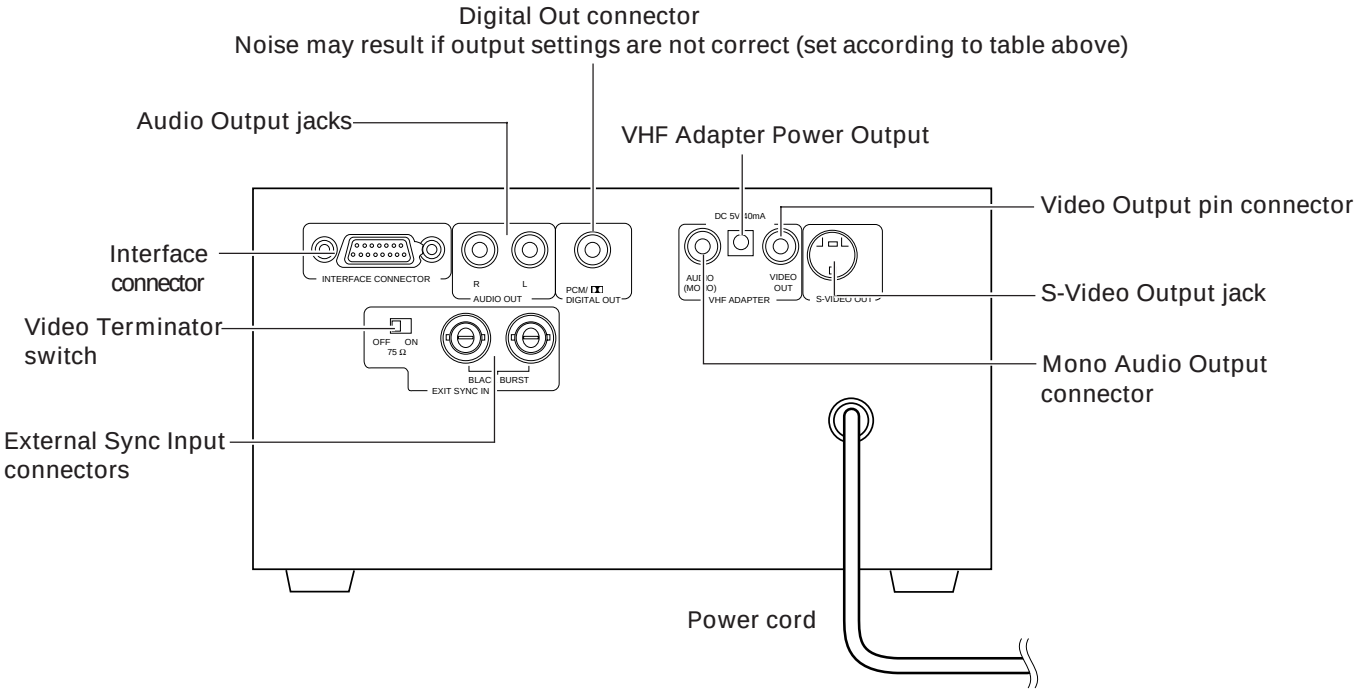
The letters on the buttons are used to enter characters when requred by a disc. See the section "Entering Characters" in the Advanced Feature Operations manual.

Front panel



Rear panel

Your amp	Regular AV amp	Select PCM from the menu
	AC-3 compatible amp	Select PCM/DOLBY DIGITAL from the menu

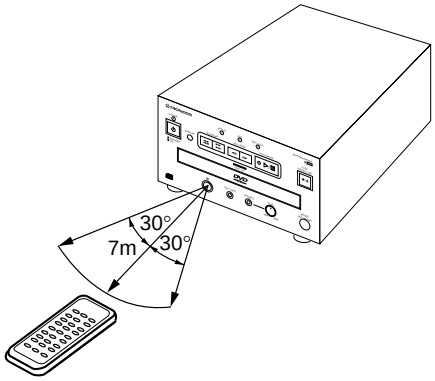


Remote control operation

Wireless Remote Operation

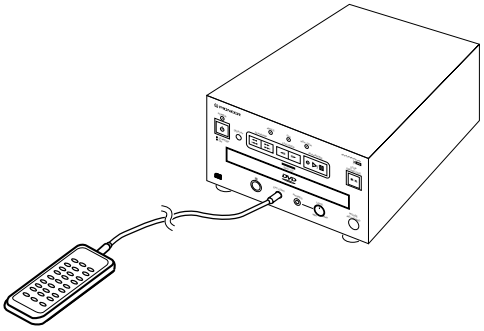
When operating the remote control, point it at the remote sensor located on the player's front panel. The remote control can be used up to 23 feet (7 m) from the player and within a 30° angle each side of the sensor.

* Exposing the remote sensor to direct sunlight or strong light may cause faulty operation.



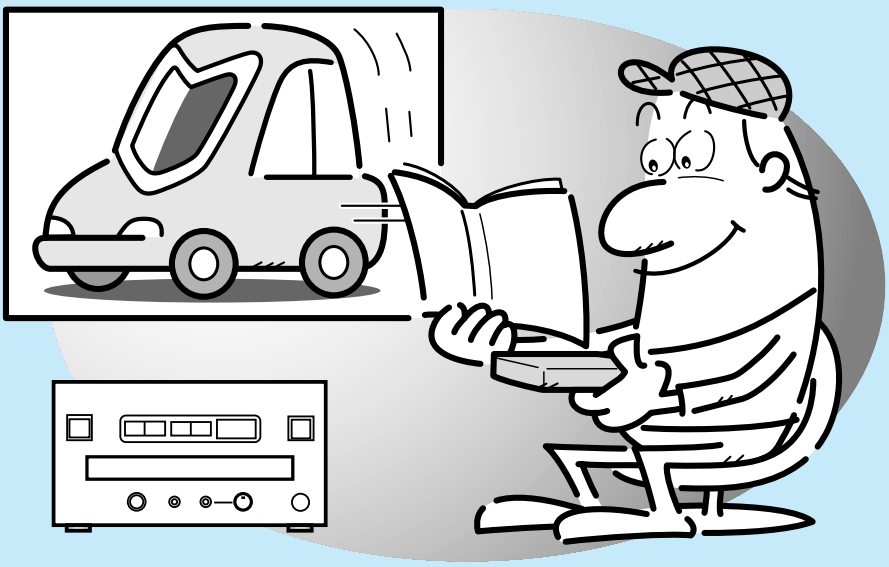
Wired Operation

Use a commercially available mini-plug connector cord to link the player's external control jack (EXT. CONT) to the remote control.



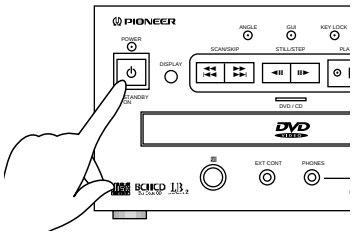
Basic Operation

Playing DVDs, CDs and Video CDs 16
Chapter (Track) Skip Forward/Skip Back 17
Stopping Playback & Switching Power OFF 18
Playback by Menu Selection 19
Searching for a Desired Scene (SEARCH) 20
Repeat Play 23
Still Frame/Slow Play/Frame Advance 24



Playing DVDs, CDs and Video CDs

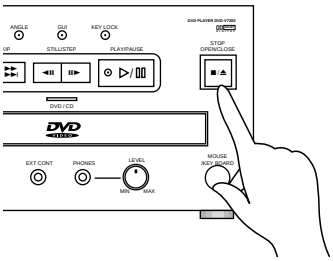
1



Press the ⏻ button

- The player's STANDBY indicator changes from orange (Power OFF) to green (Power ON).

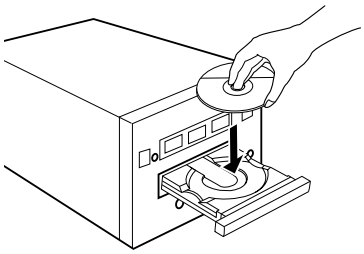
2



Press the ■/⏏ button

- The disc table comes out.

3



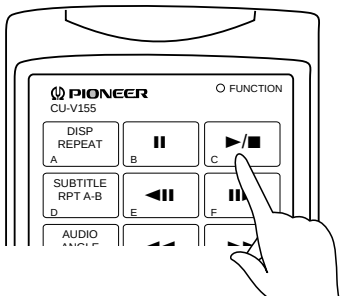
Load a disc

- Load a disc with the label side facing up, using the disc table guide to align the disc.

Note

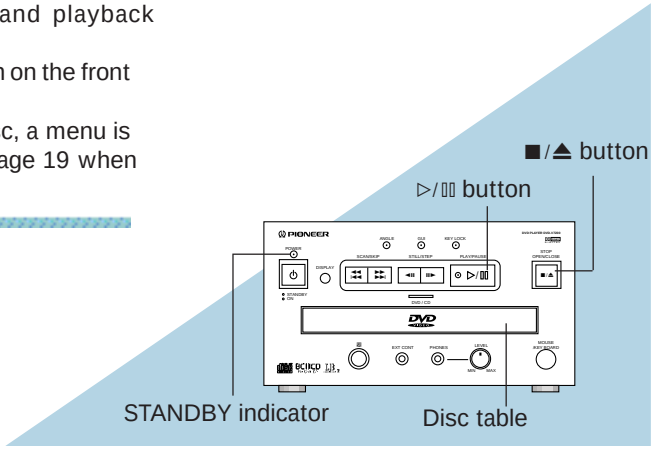
- ◆ DVD disc region codes must match the the region number on the player (refer to the "Terms" section on page 54). This player is coded for region 1.
- ◆ Only DVD VIDEO discs, Video CDs and CDs can be played back.
- ◆ During operation, the following marks may appear on the TV screen.
  - : Appears when this player cannot perform the selected function
  - : Appears when the **disc** cannot perform the selected function

4



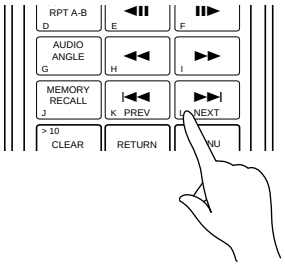
Press the ►/■ button

- Disc table closes and playback begins.
- Press the ▷/▯▯ button on the front of the player.
- Depending on the disc, a menu is displayed. Refer to page 19 when a menu is displayed.



Chapter (Track) Skip Forward/Skip

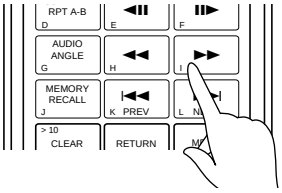
Skipping Forward to the Next Chapter (track)



Press the ▶▶| button

- Press to skip forward to the next chapter (track).
- The ▶▶| button on the front panel has the same function.

Fast Forward

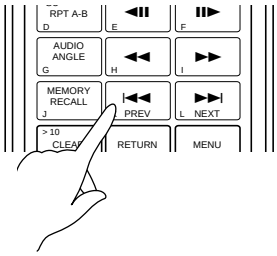


Press and hold the ▶▶ button

Press to scan forward to a new section on the disc.

- Release the ▶▶ button when you reach the desired location. Normal playback resumes.
- The ▶▶| button on the front panel has the same function.
- When the 'SCAN' indicator on the display changes (flashing to steady), fast forward continues even if the button is released. When the desired location is reached, press the ▶/■ button.

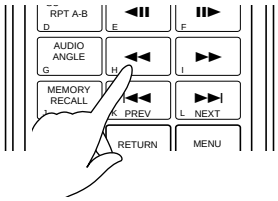
Skipping Back to the Previous Chapter (track)



Press the |◀◀ button

- Press once to skip back to the start of the chapter (track) currently playing.
- Press again to skip back to the start of the previous chapter (track).
- The |◀◀ button on the front panel has the same function.

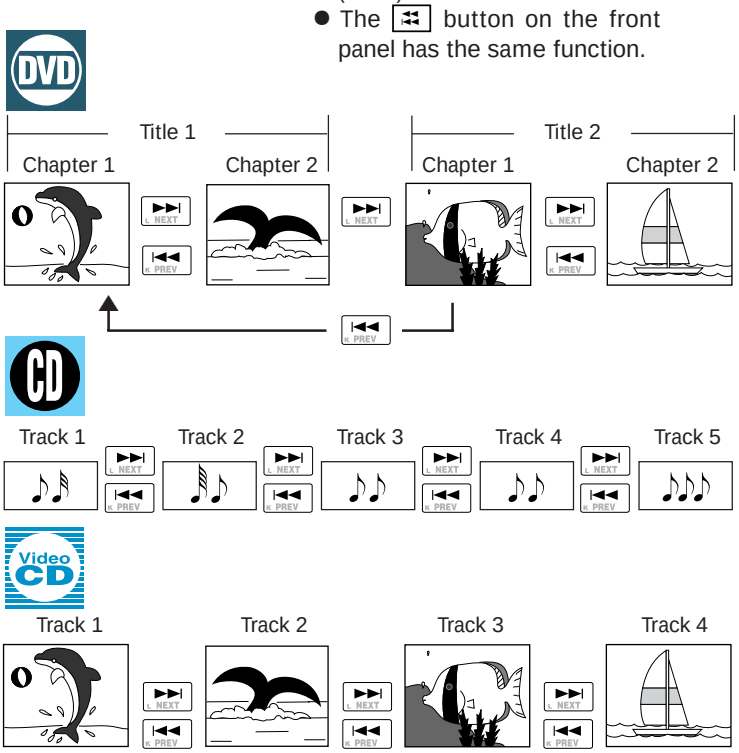
Fast Reverse

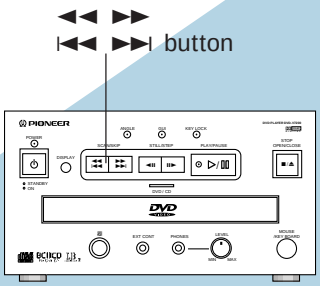


Continue pressing the ◀◀ button

Press and hold to scan back to a previous location on the disc.

- Release the ◀◀ button when you reach the desired location (normal playback resumes).
- The |◀◀ button on the front panel has the same function.
- When the "SCAN" indicator on the screen changes from flashing to lit, fast rewind will continue even if the button is released. When the desired location has been reached, press the ▶/■ button.





Basic Operation 1

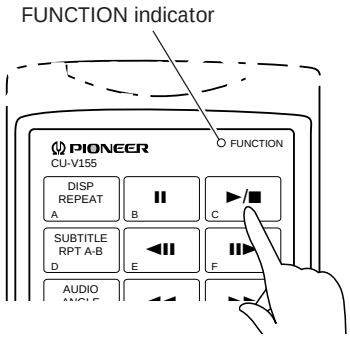
Setting

Set -Up

Other Information

Stopping Playback & Switching

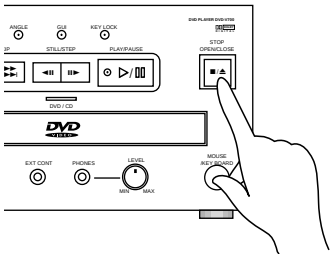
1



Press the FUNCTION button, then press the ►/■ button while the FUNCTION indicator is lit.

- On the front panel, press ■/⏏ and playback stops

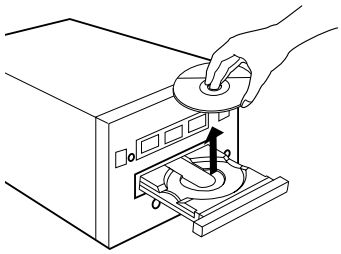
2



Press the STOP OPEN/CLOSE ■/⏏ button

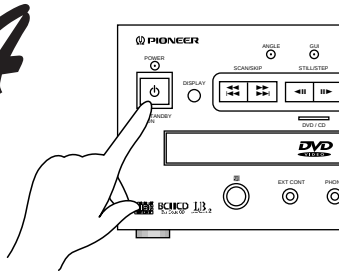
- The disc table comes out.

3



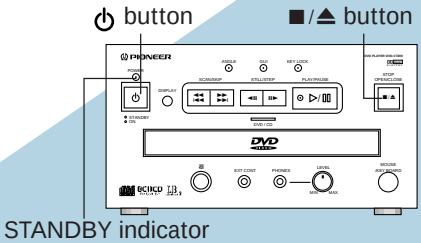
Remove the disc

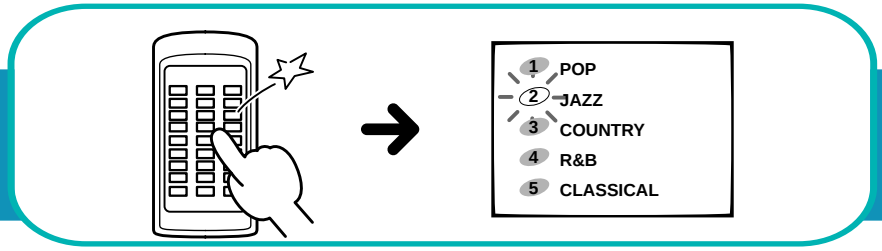
4



Press the POWER button

- The disc table slidesin, the power switches OFF, and the STANDBY indicator changes from green to orange.





Playback by Menu Selection

DVDs and Video CDs often feature selection menus.

To chose a title or track, simply make a selection from a menu.

Important!
To use the number pad, press the FUNCTION button (the **FUNCTION indicator** must be lit)

Selection and Playback from a Menu

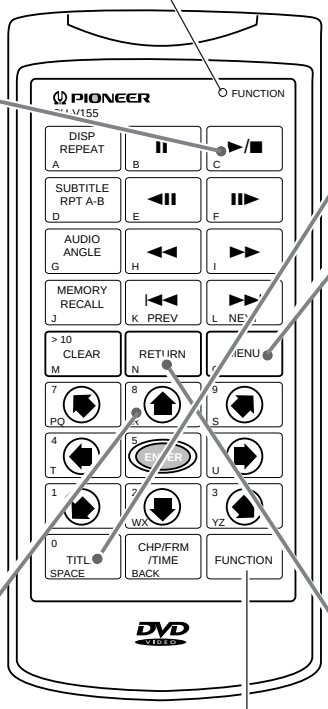
① Press ►/■

- A menu is displayed. This menu is recorded on the disc. Menus differ depending upon the disc.
- With Video CDs that have Play Back Control, PBC is listed on the screen.

1 POP
2 JAZZ
3 COUNTRY
4 R&B
5 CLASSICAL

② For example, to select 2 JAZZ, press FUNCTION button, then press the 2 button

- When selecting a number higher than 10, use the FUNCTION and >10 CLEAR buttons. For example:
  - When selecting 10, press
    FUNCTION → >10 CLEAR → 1 → 0 TITLE
  - When selecting 17, press
    FUNCTION → >10 CLEAR → 1 → 7
  - When selecting 20, press
    FUNCTION → >10 CLEAR → 2 → 0 TITLE
- The selected title or track starts playing.



Returning to Menu Display During Playback

During DVD playback

① Press 0 TITLE

② Press MENU

- Press MENU again for the Titles menu then follow the screen prompts

During Video CD playback

Press RETURN

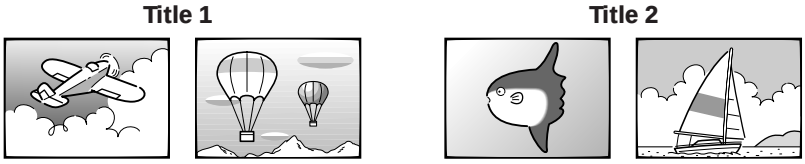
Pressing the RETURN button during PBC playback displays the menu.
Because the player's operation method and functions depend on the PBC signal recorded on the disc, PBC playback will differ according to the disc. For details, please refer to the disc's iinformation package.

Tips

- Menu details differ depending on the disc. Play a disc by making menu selections combining direction buttons (◄•►•▲•▼), ENTER button (ENTER) and number(s)
- You can also play Video CDs without calling up a menu by pressing a number button during STOP. For example, to start playback from track 1, press the 1 button .

Note

◆ When repeat Play and Track/Time Search functions are unavailable during a menu for Video CD playback.



Searching For a Desired Scene (SEARCH): Part 1

Direct Search with Title Numbers

① **Press [0 TITLE] during playback**

(During the stop mode, proceed to step 2 without pressing the [0 TITLE] button)

TITLE 1

- The title numbers flash on screen.

② **Selecting title numbers directly with the number buttons**

Press the [FUNCTION] button on the remote control unit, then press the number buttons while the FUNCTION indicator is lit.

- When selecting title number 3, press

[FUNCTION] → [3]

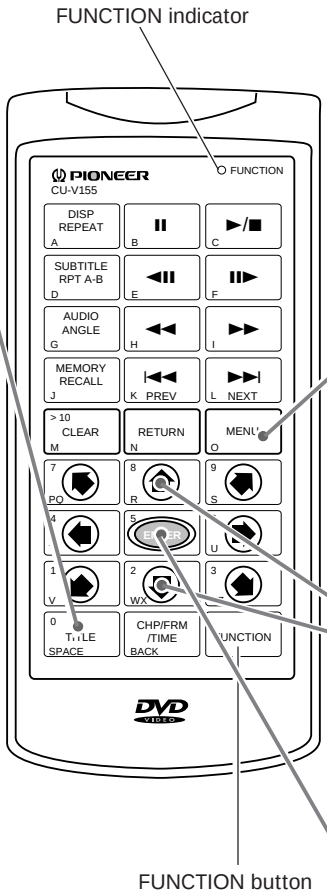
TITLE 3

- When selecting title number 10, press

[FUNCTION] → [>10] → [1] → [0 TITLE]

TITLE 10

- Pressing and holding the [0 TITLE] button while the TITLE number is flashing will advance the TITLE number one at a time. Choose a Title by entering the desired number and pressing the [►/■] button.

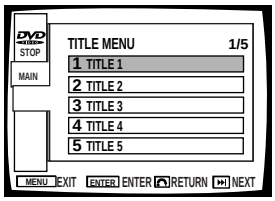


Searching with the Menu

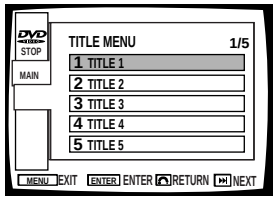
① **Press [0 TITLE]**

- If the stop mode is engaged, proceed to step ③.

② **During playback, press [MENU]**



③ **Select a title number using the [8] [2] buttons**

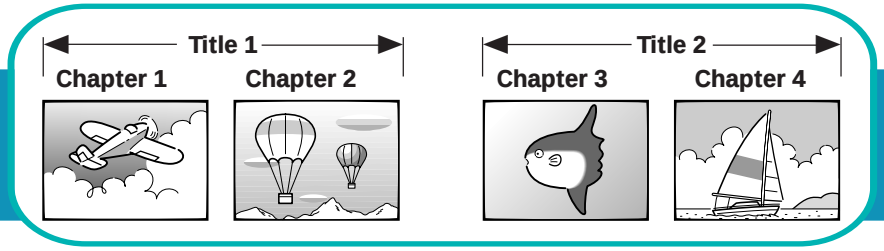


④ **Press [5 ENTER]**

- Playback of the selected title starts

Note

◆ With certain DVDs, the search operation may stop. In this case, the mark is displayed.
◆ Some discs may not include menus.



Searching for a Desired Scene (SEARCH): Part 2

Searching by Chapter/ Track Number

Direct search using number buttons.

- Press the FUNCTION button on the remote control then press the number buttons when the FUNCTION indicator is lit.

Example 1: To select chapter/track number 3

FUNCTION → 3

CHP 3

Example 2: To select chapter/track number 17

FUNCTION → >10 → 1 → 7

CHP 17

Using the CHP/FRM/TIME button

① **Press** CHP/FRM /TIME

- In this case, the FUNCTION indicator is lit.
- Chapter/track numbers flash on screen
- On DVDs, the menu may be displayed during the Stop Mode. Please refer to section entitled, "Chapter Number Search with the Menu".

② **Select chapter/track numbers directly with the number buttons.**

Example 1: To select chapter/track number 31

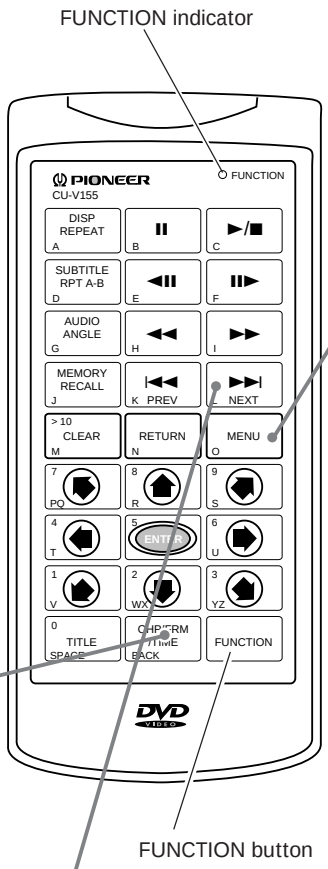
3 → 1

Example 2: To select chapter/track number 117

1 → 1 → 7

③ **Press** ►►| NEXT

- Playback of the selected chapter/track begins



Chapter Number Search with the Menu

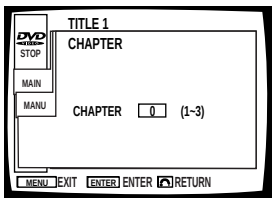
Note: this operation is for DVD discs only

① **Press** CHP/FRM /TIME

- If the StopMode is engaged, proceed to step 3.

② **Press** MENU

- Chapter menu is displayed



③ **Selection according to screen displays**

- Depending upon the title, a menu may not be displayed. If no menus are available, please disregard this method.

Tips

- To turn off the flashing title, chapter/track/time display, press the >10 CLEAR button twice when the FUNCTION is off (indicator light is off).
- For some titles, selection can be made using a menu. If a title has a menu, press the MENU button while the indicator is displayed. Display the menu screen and make your selection.

Searching by Time/Frame Number (Time Search/Frame Search)

① Press CHP/FRM /TIME twice to select the frame input mode or three times to select the time input mode.

CHP 0 → TIME 0.00

- With DVD discs authored without chapters, pressing the button once displays the frame.

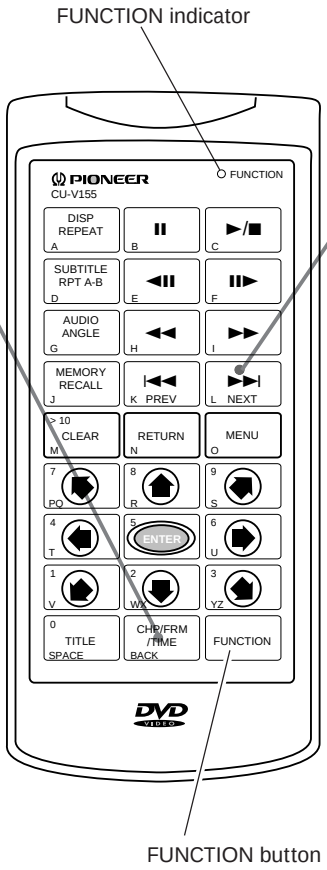
② Select the desired time/frame number with the number buttons.

Example : To select 21 minutes 43 seconds

2 → 1 → 4 → 3

TIME 21.43

- Time/Frame Searches within overlapping titles are invalid. Only counts within the same title are available during searches.

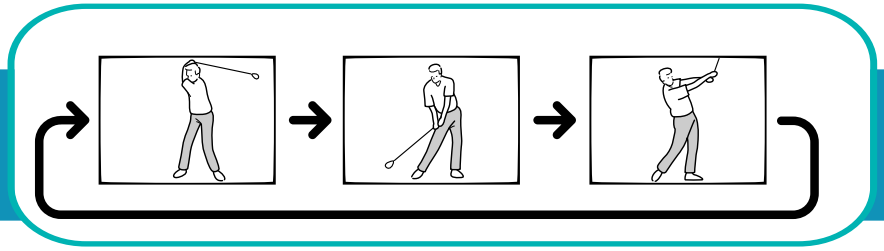


③ Press ►►| NEXT

- Playback begins at the selected start time
- For frame searching, the still frame mode is set at a certain frame however, frame count accuracy may vary depending on the method used to author the disc.

Note

- Time search is not possible on CDs.
- Time searches on DVD discs with certain Titles is possible. In this case, the mark is displayed.
- When searching a DVD using Time, playback may start at a slightly different time than that requested.
- On DVD discs, Time Search is unavailable during the stop mode.
- Searches using the above operation are not possible on a Video CD during PBC playback .



Repeat Play

Repeat Play of a Chapter/Track

During playback of the chapter or track you wish to repeat, press FUNCTION; when the FUNCTION indicator lights, press DISP REPEAT so that REPEAT CHP is displayed.

Repeat Play of a Title

During playback of a title if you wish to repeat, press FUNCTION; when the FUNCTION indicator lights, press DISP REPEAT so that REPEAT TITLE is displayed.

- With DVD discs, the title continues playing until the end then playback starts once more from the beginning of that title.
- With CDs and Video CDs, the disc is one title thus the entire disc is repeated.

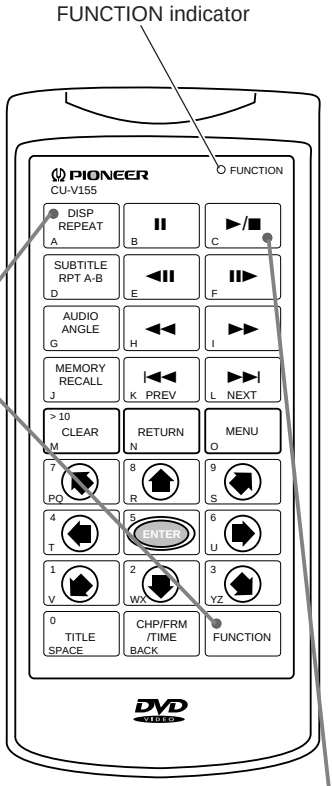
Repeat Playback of All Titles (DVD)

During playback, press FUNCTION; with the FUNCTION indicator lit, press the DISP REPEAT so that REPEAT ALL is displayed.

- This operation is effective only when the menu's TITLE PLAY MODE is set to ALL (see page 3 in the Advanced Feature Operations manual).
- When playback has continued until the end of the final title, playback starts again from the beginning of Title 1.

Tips

- To cancel Repeat Play, press the >10 CLEAR button when the FUNCTION indicator is off. The Repeat Play mode is now cancelled but playback continues normally.



Repeat Play of a Specified Section

Press SUBTITLE RPT A-B at the beginning and end of the section you want to repeat while the FUNCTION indicator is lit.

Return to a Specific Location

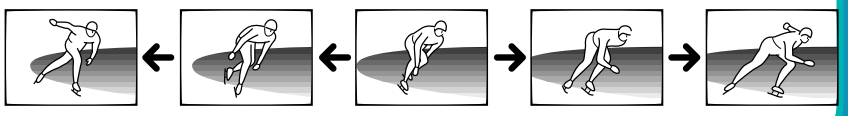
① Press SUBTITLE RPT A-B at the desired location while the FUNCTION indicator is lit.

② To return, press ►/■ when the FUNCTION indicator is off.

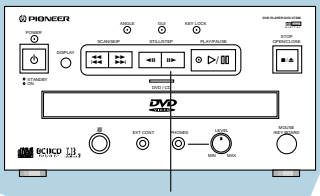
- Press >10 CLEAR to clear a specified location

Note

- With some DVD discs, there may be times when Repeat playback is not possible because of the title. In this case, the mark will appear on the screen.
- With Video CDs, Repeat Play is unavailable while a menu is displayed (PBC playback). To issue the Repeat Play command, start playback without displaying a menu, (please refer to page 16), press the DISP REPEAT button.



Still Frame/Slow Play/Frame Advance



II▶ button

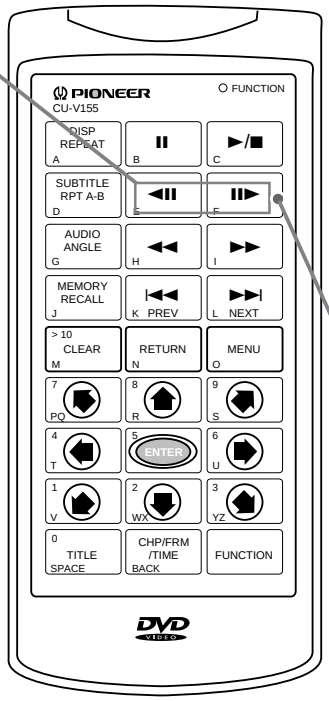
Frame by Frame Advance Playback: the picture is viewed one frame at a time

Press ◀II or II▶

II▶ : The picture will be advanced by one frame each time the button is pressed

◀II : (DVD only) Playback is reversed in small increments each time the button is pressed

- If still images appear shaky when playing back DVD stop-motion frames, set the STILL MODE to "FIELD" (refer to page 16 in the Advanced Feature Operations manual)
- Each time the ◀II is pressed, playback is reversed by 15–30 frames.



Stop the Picture & Set the Background Color

(The disc is set to the standby mode thus keeps rotating)

Press II▶

- Or press II▶ on the front of the player.

Slow Playback: view in slow-motion

Press and hold the ◀II or II▶ button during playback.

Slow playback engages
During slow playback, the slow playback speed is selected with either ◀II or II▶

◀II ←

For DVD: STEP 1 (1/30) – 1/16 – 1/8 – 1/4 – 1/2
For Video CD: 1/16 – 1/8 – 1/4 – 1/2

II▶ →

Press and hold the ◀II button during DVD playback.

Slow motion playback in reverse (reverse slow motion speed is locked and cannot be adjusted)

Tips

- To return to normal playback, press ►/■ (or the ⊙ ▷/II button on the player)

Note

- There is no sound when viewing still frames or when advancing one frame at a time.
- Pause may not be possible with certain discs. In this case, the ⊘ mark is displayed.
- When playing DVD, pressing the II▶ button may cause the playback to advance two frames (maximum 4 frames with movies); this is normal and not a malfunction.
- Single frame advance may not be possible when playing certain movies from a DVD disc.
- The frame number displayed on the screen may be inaccurate by +/-1 frame.
- The screen will momentarily disappear during Reverse Slow Playback and Step by Step Playback (refer to page 17 of the Advanced Features Edition). To avoid this, set SQUELCH DVR SEARCH on the Advanced Feature Menu screen OFF.

Setting

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Viewing from a Desired Camera Angle (Multi-Angle) 29
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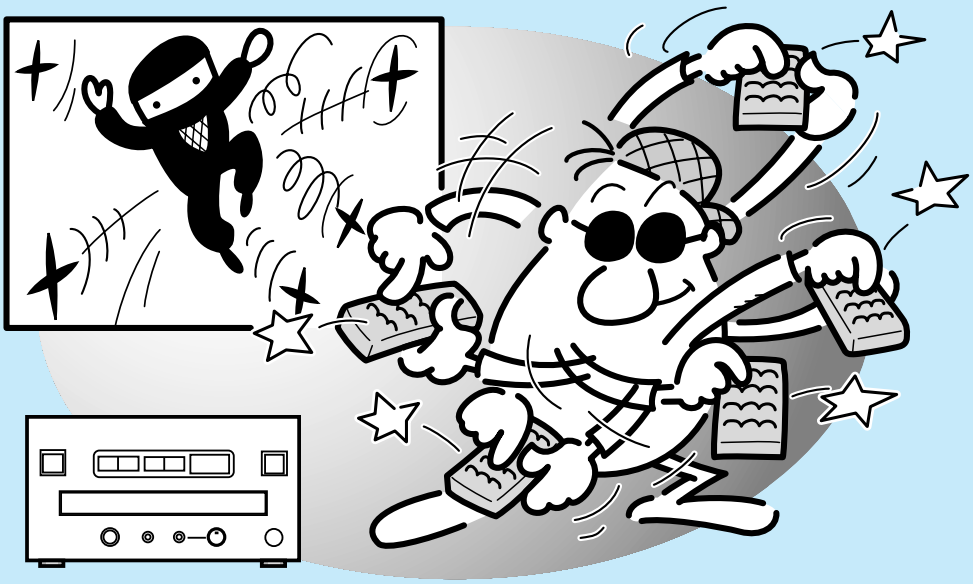
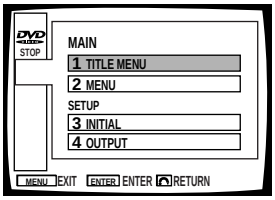
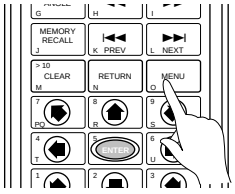


Multi-Aspect Setting for Wide Screen TV Software

Certain DVD discs feature image data recorded with the "squeeze" recording system for wide screen viewing. When watching this type of DVD image on a conventional television, the picture may appear vertically squeezed. If this occurs, use the Multi-Aspect function to achieve a normal look-

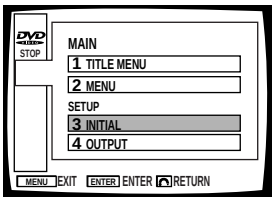
1. Press MENU during stop

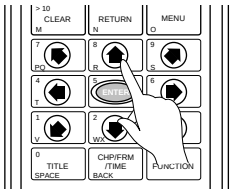




The setup menu is displayed

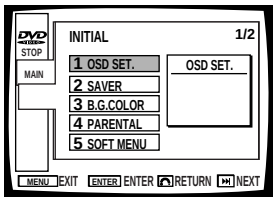
2. Select INITIAL setup with 8 2

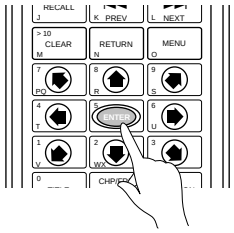




The initial setup button will be displayed in blue

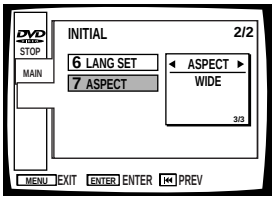
3. Press 5 ENTER

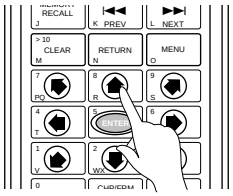




The initial setup screen will be displayed

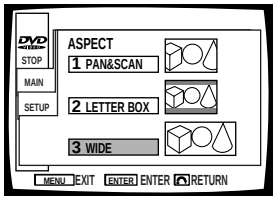
4. Select ASPECT using 8 2 buttons

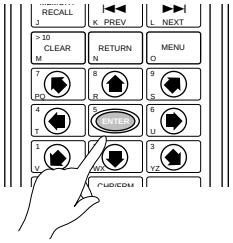




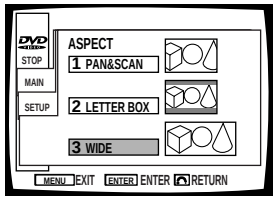
Pressing and holding the 2 button displays the next page's screen shown above

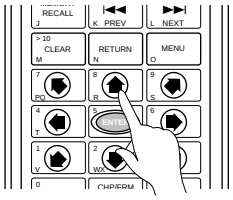
5. Press 5 ENTER



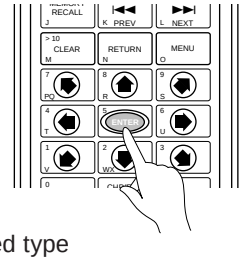


6. Select the desired mode (PAN & SCAN, LETTER BOX, WIDE) with the 8 2 buttons





7. Press 5 ENTER



The picture changes to the desired type

For DVD discs authored with multiple aspects, select the aspect that matches the TV.

Disc	Aspect selection	Wide TV (16:9)	Regular TV (4:3)
(16:9)	Wide		
	Pan &scan		
	Letter box		
(4:3)			

When the above chart's ▭ is selected, the picture with the correct height to width ratio is selected. Whether or not additional aspects are available depends on the disc. Please refer to the information written on the disc's jacket. For discs authored with a single aspect, adjust the screen using the TV controls.

Note

◆ Writing to the memory is not performed until the menu screen is closed. As a result, if the power cord is disconnected or a power failure occurs while the menu screen is still being set, the setting are missing from the memory.

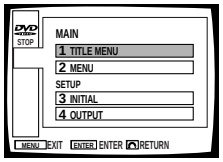
Tips

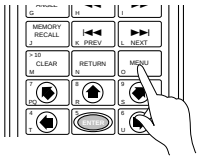
● The width-to-height ratio of conventional TV is 4:3, while the width-to-height ratio of wide screen and Hi-Vision TV is 16:9. This width-to-height ratio is called the aspect ratio.

Selecting a Desired Background Color

Select a color for the screnn and the menu displays when the unit is not playing a disc.

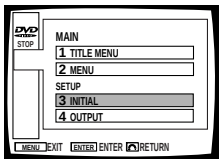
1. Press MENU when the player is stopped or it is in Standby mode

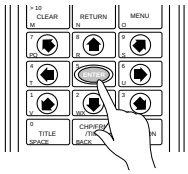




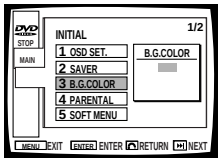
(With a DVD)

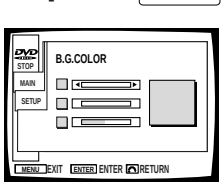
2. With the 8 ▲ / 2 ▼ buttons, select "INITIAL" and press ENTER

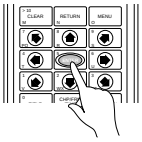




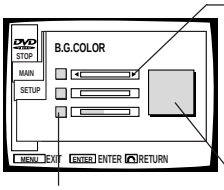
3. Select "B.G. COLOR" with the 8 ▲ / 2 ▼ buttons, and press ENTER





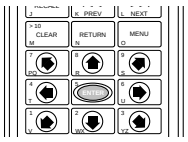


4. Select the desired color with the 8 ▲ / 2 ▼ buttons, and adjust the color with the 4 ◀ / 6 ▶ buttons



① Select a color with the 8 ▲ / 2 ▼ buttons.

② Adjust color with the 4 ◀ / 6 ▶ buttons.



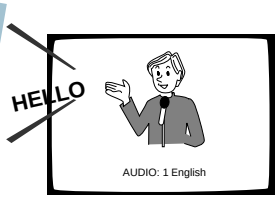
Changes to the selected color.

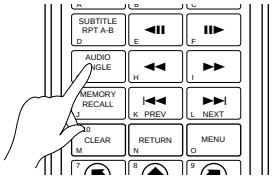
5. Press the ENTER button

Selecting Languages (Multi-Language)

Dolby Digital, PCM, and other audio data is recorded on DVD discs in a number of languages, languages allowing you choose which ever one is appropriate for your audience.

1. Press AUDIO ANGLE during playback





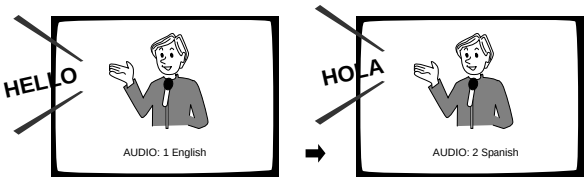
Tips

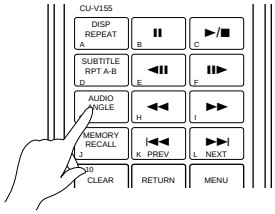
- Some titles provide menus for language selection. If the disc has a menu, press MENU button to display jhe menu screen then make a language selection.

Note

- ◆ The language selection option is unavailable if is only one languaged authored on the disc.
- ◆ Switching the audio language may not be possible with some titles. In this case, the mark will be displayed.

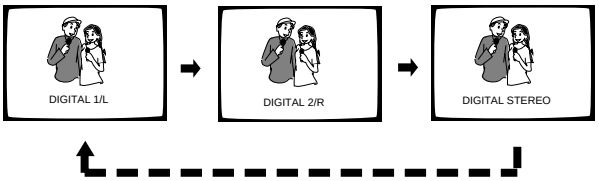
2. Press AUDIO ANGLE to select a language

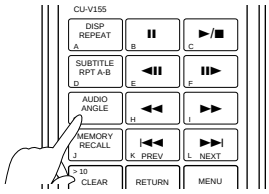




Changing Audio Type

1. Press AUDIO ANGLE during playback





Audio type changes each time you press the button

Note

- ◆ You cannot switch between audio type and digital output.

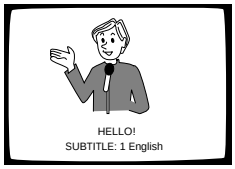
Tips

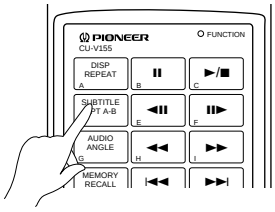
- With karaoke and other software, set the appropriate audio type for singing and accompaniment after referring to information on the disc jacket or accompanying material.

Selecting a Subtitle Language (Multi-Language Subtitles)

You can select a subtitle language when a DVD disc has subtitle data recorded as multiple languages.

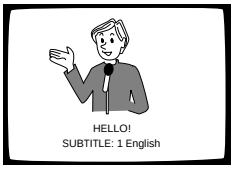
1. Press SUBTITLE RPT A-B during playback

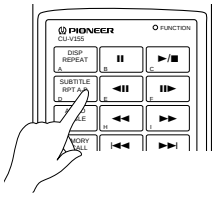




The currently playing subtitle number displays

2. Press SUBTITLE RPT A-B to select a subtitle language





Note

- To switch the subtitle language,more than one subtitle language stream needs to be authored on to the disc.
- Switching the subtitle language may not be possible with some titles. In this case, the mark will be displayed.

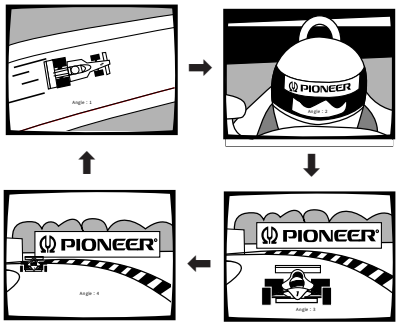
Tips

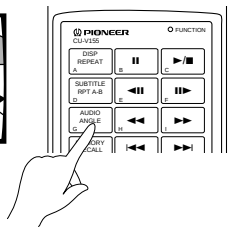
- To clear subtitles during playback, press SUBTITLE RPT A-B (after first pressing >10 CLEAR) Or, clear subtitles by selecting OFF from the subtitle menu.
- Subtitles can be cleared by selecting LANG. SETUP from the INITIAL menu, and setting SUBTITLE to "OFF" (see page 38).
- For some titles, selection can be made using the menu. In this case press the MENU button while the indicator is lit to display the menu screen then make a selection.

Viewing from a Different Camera Angle (Multi-Angle)

Many DVD discs featuref images shot from different angles so you can choose any available view.

1. Press FUNCTION during playback, then press AUDIO ANGLE while the FUNCTION indicator is lit





The camera angle changes each time you press the button

How to Check Whether a Disc is Recorded with Angles:

The jacket of discs recorded with angles are marked with the icon, . When a segment offers multi-angle views, the following symbol or icon shows on screen .

How to Hide the Angle Mark:

1. Press MENU during the stop mode
2. Press the 3 number button
   - The initial setup menu appears
3. Press the 1 number button
   - The OSD SETUP screen appears
4. Press the 3 number button
   - The ANGLE mark menu appears
5. Press the 2 number button

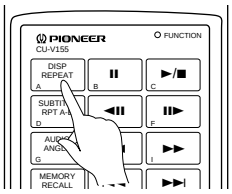
Menu setup is finished

Tips

- To use the Multi-Angle function, the disc must include images shot from different camera angles.
- During Multi-Angle playback, the Angle indicator on the player lights.
- For some titles, a selection can be made using the menu. In this case press the MENU button while the indicator is active to display the menu screen then make a selection.

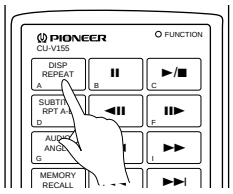
Viewing Disc Information

Press DISP REPEAT A during playback



- **The display changes as follows each time the button is pressed.**
  (disc information may be missing from some titles)

Press DISP REPEAT A when in the STOP mode



- **Disc information is displayed**

DVD

Title number
Chapter number
Playback time within title

1-1 0.04 PLAY

1-1 0.04 15 PLAY
FRAME 136

1-1 0.04 PLAY
CHAPTER TIME 0.04
CHAPTER REMAIN 2.26

Last frame number

1-1 0.04 PLAY
TITLE REMAIN 2.26
TITLE TOTAL 1 5.30/9900

1-1 0.04 PLAY
SUBTITLE
AUDIO 1 English
DOLBY DIGITAL 5.1CH

OFF

CHAPTER TIME:
Chapter playback time
CHAPTER REMAIN:
Time remaining of chapter being played

TITLE REMAIN:
Remaining time of title being played
TITLE TOTAL:
Total playback time and total number of chapters of title being played

AUDIO:
Output audio data
ST (Subtitle):
Display subtitle data

CD

Track
Playback time of song

1 0.04 PLAY

1 0.04 PLAY
TRACK REMAIN 5.26

1 0.04 PLAY
ALL REMAIN 25.26
TOTAL TIME 6 26.00
DIGITAL STEREO

OFF

TRACK REMAIN:
Remaining time of song being played

ALL REMAIN (CD only):
Remaining time from point of playback to end of disc
TOTAL TIME:
Total playback time and total number of tracks on the title being played

Video CD (Playback without menu display)

Track
Playback time from start of disc

1 6.04 PLAY

1 6.04 PLAY
TRACK TIME 1.23
TRACK REMAIN 5.41

1 6.04 PLAY
ALL REMAIN 19.56
TOTAL TIME 6 26.00
DIGITAL STEREO

OFF

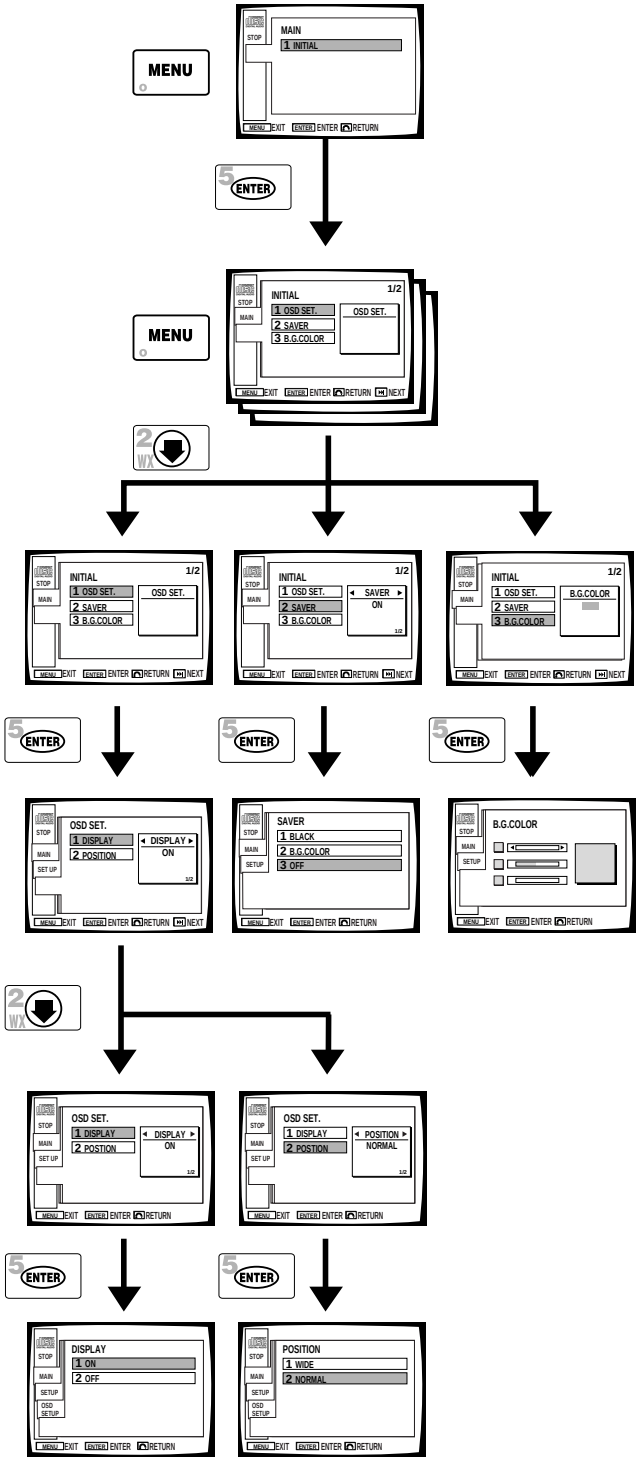
TRACK TIME:
Playback time of song during playback
TRACK REMAIN:
Remaining time of song being played

ALL REMAIN (CD only):
Remaining time from point of playback to end of disc
TOTAL TIME:
Total playback time and total number of tracks on the title being played

Outline of GUI (Graphical User Interface) Operation

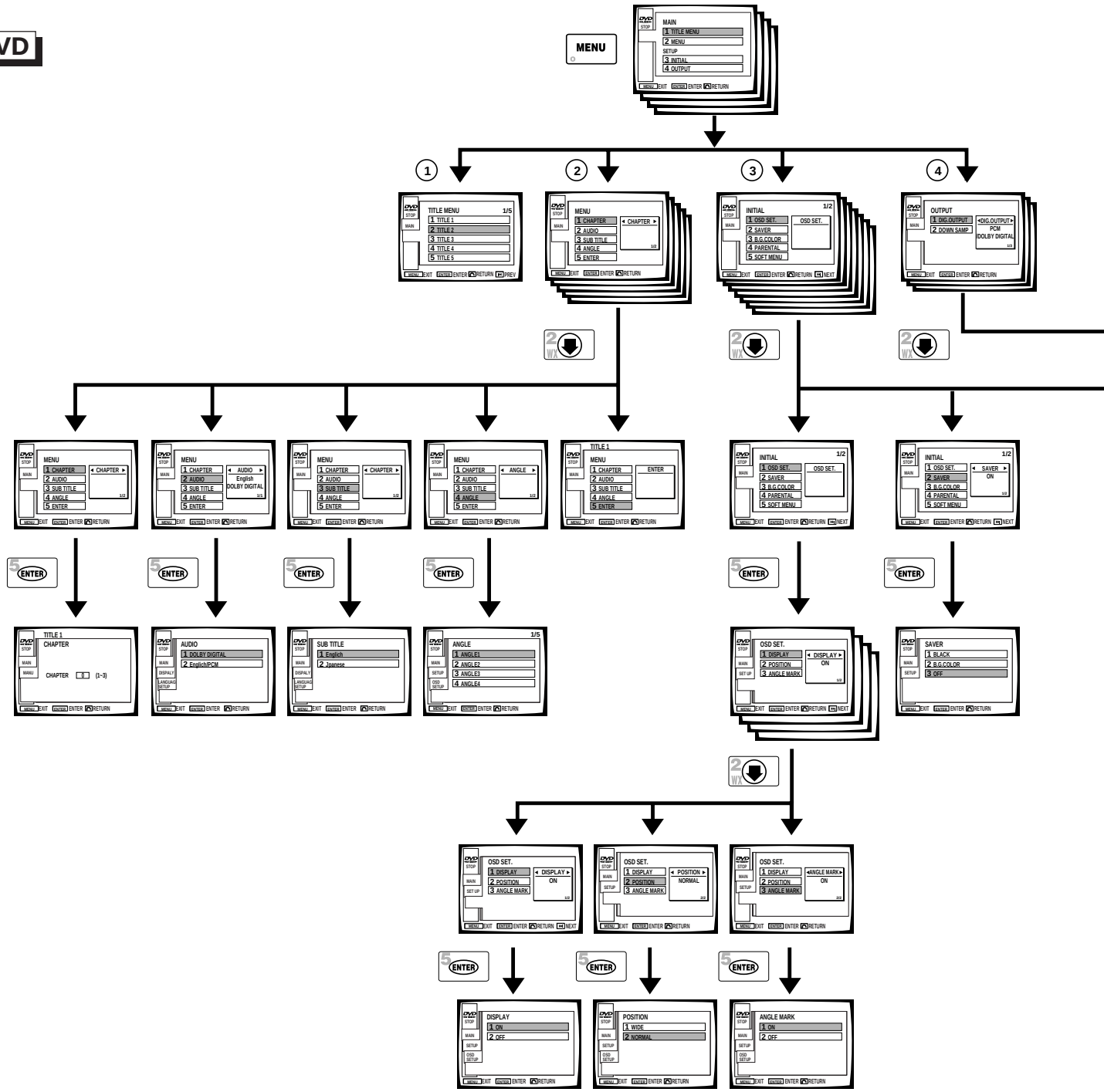
Various settings may be selected while watching menu screens and using the remote control. Menu access differs according to the disc type and playback mode (stop, pause, etc.). Refer to the following menu map for access methods.

CD, Video CD

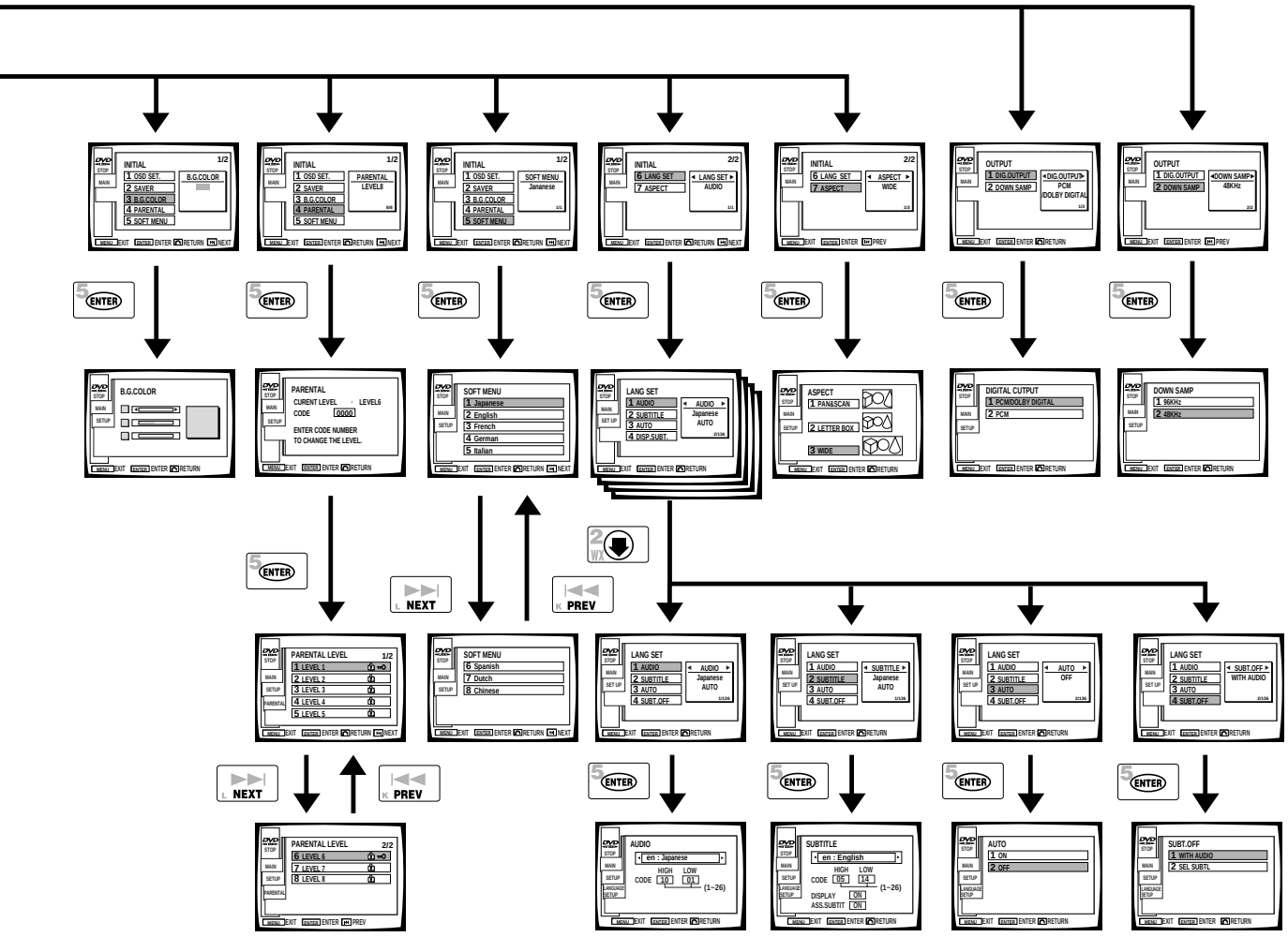


Outline of GUI (Graphical User Interface) Operation

DVD

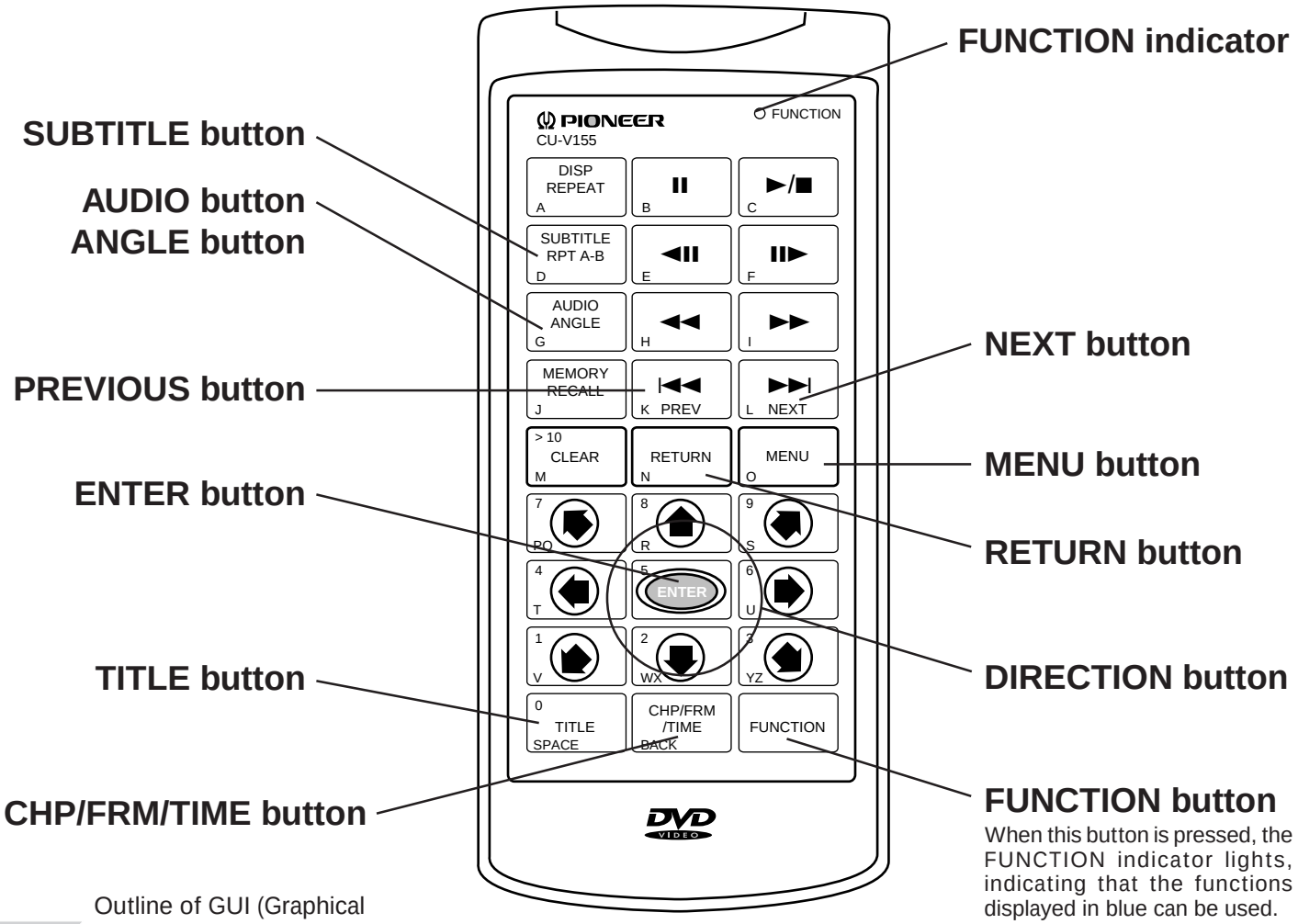


Press the RETURN button to return to to previous view/screen (before the 5 ENTER was pressed).


INITIAL 1/2
1 OSD SET.
2 SAVER
3 B.G.COLOR
4 PARENTAL
5 SOFT MENU
B.G.COLOR
PARENTAL LEVEL8
SOFT MENU Japanese
INITIAL 2/2
6 LANG SET
7 ASPECT
LANG SET AUDIO
ASPECT WIDE
OUTPUT
1 DIG.OUTPUT
2 DOWN SAMP
DIG.OUTPUT PCM /DOLBY DIGITAL
DOWN SAMP 48KHz
ENTER
B.G.COLOR
PARENTAL
CURENT LEVEL LEVEL6
CODE 0000
ENTER CODE NUMBER
TO CHANGE THE LEVEL.
SOFT MENU
1 Japanese
2 English
3 French
4 German
5 Italian
LANG SET
1 AUDIO
2 SUBTITLE
3 AUTO
4 DISP.SUBT.
AUDIO Japanese AUTO
ASPECT
1 PAN&SCAN
2 LETTER BOX
3 WIDE
DIGITAL CUTPUT
1 PCM/DOLBY DIGITAL
2 PCM
DOWN SAMP
1 96KHz
2 48KHz
NEXT
PREV
PARENTAL LEVEL 1/2
1 LEVEL 1
2 LEVEL 2
3 LEVEL 3
4 LEVEL 4
5 LEVEL 5
SOFT MENU
6 Spanish
7 Dutch
8 Chinese
LANG SET
1 AUDIO
2 SUBTITLE
3 AUTO
4 SUBT.OFF
AUDIO Japanese AUTO
SUBTITLE Japanese AUTO
AUTO OFF
SUBT.OFF WITH AUDIO
PARENTAL LEVEL 2/2
6 LEVEL 6
7 LEVEL 7
8 LEVEL 8
AUDIO
en : Japanese
HIGH LOW
CODE 10 01
(1~26)
SUBTITLE
en : English
CODE 05 14
DISPLAY ON
ASS.SUBTIT ON
AUTO
1 ON
2 OFF
SUBT.OFF
1 WITH AUDIO
2 SEL SUBTL

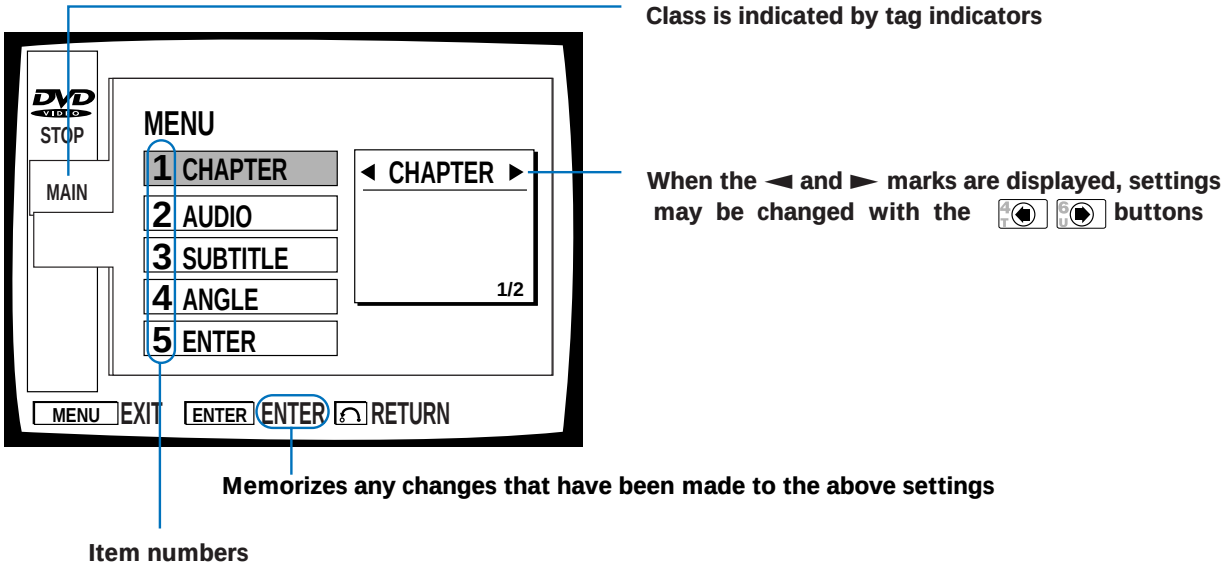
Button Operation Within Each Menu

BUTTON NAME	BUTTON SHAPE	OPERATION
MENU button	MENU	To leave the menu screen (any new settings are discarded)
RETURN button	RETURN	To move back by one menu screen (settings are memorized but the search request is ignored)
Number buttons	1 ~ 0 TITLE SPACE, >10 CLEAR	Selection and conclusion (in the set up menu, some items operate only for selecting functions)
Direction buttons		Selection
ENTER button	ENTER	Setting and implementation (playback mode is engaged after title or chapter change)
PREVIOUS button	PREV	To go to the previous page
NEXT button	NEXT	To go to the next page
Direct buttons	TITLE, CHP/FRM /TIME, SUBTITLE, AUDIO, ANGLE	To go to menus (settings selected before moving to a new menu are ignored)
FUNCTION button	FUNCTION	To togle between button options



Example of Screen Displays and Operation

Ex. 1: Display contents and button functions within the Menu screen



Selecting an item number by pressing the **number buttons** or using the buttons and then pressing the **ENTER button** displays the menu screen for that item number. However, selecting item "5 ENTER" memorizes the changed settings and quits the mode.

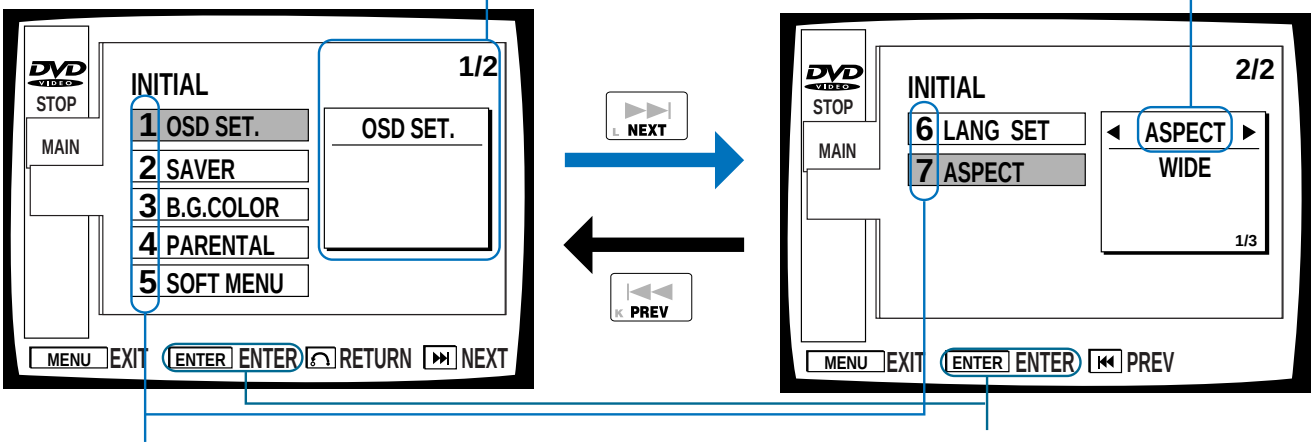
Ex. 2: Display Contents and Button Functions Within the Setup Menu

Current Setup Condition

Item numbers are selected with the buttons but settings are changed with the buttons.

Current Setup Condition

When selecting a setting using number buttons or the buttons, pressing the ENTER button displays the selected screen.



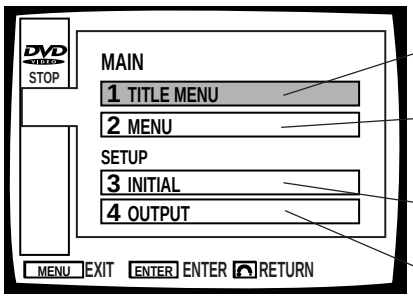
Selecting this memorizes changed settings and quits the mode

Selection Item N numbers

Selections are made with the number buttons. Selecting "OSD SET.", "SAVER", "B.G.COLOR", "PARENTAL", "SOFT MENU", "LANG SET" or "ASPECT" displays the appropriate screen for that selection.
Also, changing the settings with the buttons then pressing the **ENTER button** memorizes the settings and quits the mode.

About the Main Menu

Use the Main menu to select the Title Menu, Menu and Setup screens.



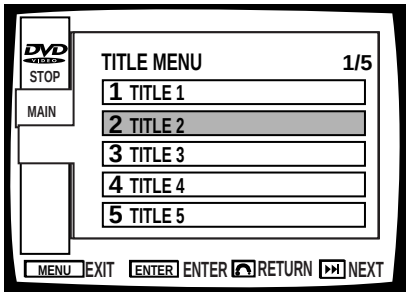
Title Menu screen:
To select and playback Titles (Title search)

Menu screen:
To select chapters (songs), subtitles, audio tracks and angles from within a title

Initial Setup screen:
The various player functions player can be set using the screen displays

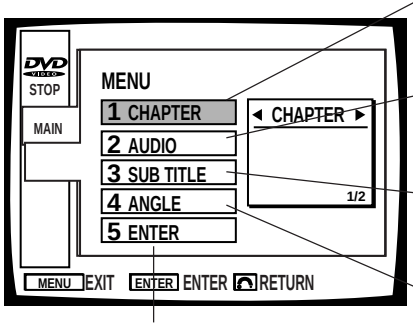
Output Setup screen:
To output audio from the digital output terminal

About the Title Menu



Titles can be selected and played back. This screen is identical to the display discussed in "Searching with the Menu" on page 20.

Menu Screen Contents



Completes the setting of changes to the above items.

To go to the Chapter screen

Chapter screen:
One chapter (song) within a title can be selected and played back

To go to the Audio screen

Audio screen:
On discs with more than one audio track, Audio contents can be selected

To go to the Subtitle screen

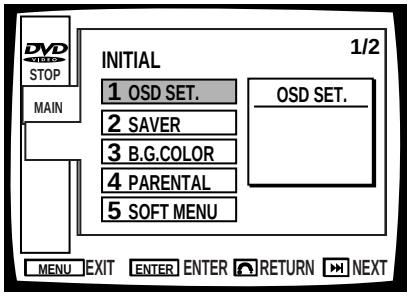
Subtitle screen:
On discs that include subtitle data, a Subtitle track can be selected

To go to the Angle screen

Angle screen:
If a disc includes scenes filmed from different views, select from among the available angles.

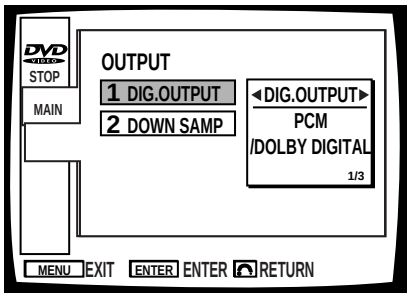
Changing Settings

About the Initial Setup Screen



Use this screen when changing various settings including display, position, screen saver, etc.
(refer to the following pages for details)

About the Output Setup Screen



Use this screen when selecting the audio to be output through the output terminal.
The setting must comply with the amplifier being used.
(refer to the following pages for details)

Item Settings

Class		Item	Details	Settings: Initial settings (factory settings at the time of shipment)	Settings:
INITIAL	OSD. SET	DISPLAY	Selecting ON or OFF hides or reveals the Operation displays (play, stop etc.)	**ON** Operation displays appear	**OFF** Operation displays do not appear
INITIAL	OSD. SET	POSITION	When watching conventional software on a wide screen TV, the operation display is on the top right of the screen thus may not be visible. Changing the position of the display reveals the operation indicators clearly on wide TV screens.	**NORMAL** When using a conventional TV (4:3)	**WIDE** When using a wide screen TV (not for menu displays)
INITIAL	OSD. SET	ANGLE MARK	When a picture is available for viewing at different angles, then is displayed This setting identifies any sequences with multiple angles	**ON** is displayed	**OFF** Not displayed
INITIAL		SAVER (Screen Saver)	When a paused image is displayed for a long period of time, the image may be "burned" onto the screen. TheDVD-V7200 includes a screen saver function in order to prevent screen burn whenever an image such as a menu screen etc., is continuously displayed for an extended period (more than 5 minutes). It is best to this set to BLACK or B.G. COLOR. BLACK: Screen turns to black when screen saver operates B.G.COLOR: During operation of the screen saver, the screen turns to the selected B.G.COLOR OFF: Screen saver will not operate	**OFF** Screen Saver is deactivated	**ON** **B.G. COLOR** Screen Saver is active **BLACK**
INITIAL		B.G. COLOR (Background color)	To select a Menu screen or Stop mode screen color	**R : 0%** **G : 50%** **B : 50%**	**Adjustable** Adjust each color within 20 levels
INITIAL		PARENTAL	This controls or blocks undesirable material Discs authored with Parental Lock enabled provide a method to skip material that may be inappropriate for all audiences. For details, refer to the instructions that come with a disc. Input a 4-digit number selected by you in order to view a level (user restriction level). The code is locked in until you change it. Be sure to choose a number that is easily remembered. If the number is forgotten or list, return to the default setting and enter a new 4-digit code.	**LEVEL 8**	**Level 1-8** **Variable**
INITIAL		SOFT MENU	This lets you select the desired menu language when playing discsauthored with different languages.	**ENGLISH**	Select the desired menu language
INITIAL	LANG. SETUP	AUDIO	Select a language if the disc is authored with various audio languagess. When the audio language is changed during playback, the language remains as the selected audio for the next disc to be played.	**ENGLISH**	Select from 136 different languages (selection method is explained on page 40)
INITIAL	LANG. SETUP	SUBTITLE	The subtitle language is selected from the subtitles on a disc. When the subtitle language is changed during playback, the language remains as the selected subtitle for the next disc to be played.	**ENGLISH**	Select from 136 different languages. Selection method is explained on page 40.

Item Settings

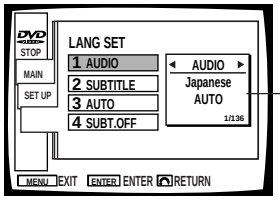
Class		Item	Details	Settings: Initial settings (factory settings at the time of shipment)	Settings	
INITIAL	LANG. SET UP	AUTO	**ON** AUDIO and SUBTITLE can be set in advance. In the case of foreign movies, the original audio language and English subtitles are automatically selected In the case of English language movies, the original audio language (English) is selected, and subtitles are not displayed On some discs, this function may not operate as described above. If AUDIO and SUBTITLE differ or DISPLAY and ASS.SUBTIT of the SUBTITLE are OFF, it is the same as turning it OFF. But, changing settings during playback using "Selecting Languages" (page 28) and "Selecting Subtitle Language" (page 29) is possible. **OFF** Regular subtitle and audio settings are selected	**ON**	**OFF**	
		SUBT.OFF (Subtitle off)	A subtitle can be set while the subtitle is set to OFF. SEL SUBTL: The selected subtitle language will be selected. WITH AUDIO: The selected audio language will be selected.	**SEL SUBTL**	**WITH AUDIO**	
		ASPECT	When viewing software recorded in the wide mode, the image's height to width ratio can be switched to match the TV being used.	**WIDE**	**PAN& SCAN**	**LETTER BOX**
OUTPUT		**DIG. OUTPUT (Digital output)**	This player lets you change the audio output via PCM/ DD of the coaxial digital output jack. DVD conforms to both Dolby Digital (three-dimensional sound for movies etc.) and Linear PCM (digital sound with higher fidelity than CD) audio standards.	**PCM /DOLBY DIGITAL** Automatically selects Linear PCM or Dolby Digital depending on the audio signal (when an amp that includes a Dolby digital [C-3] decoder is used)	**PCM** Provides Linear PCM sound with both Dolby Digital and Linear PCM sources (when a regular amp or Dolby Pro logic amp is used)	
		DOWN SAMP (Down sample)	**96kHz:** PCM audio discs with a 96kHz sampling frequency can be played back at the 96kHz high quality sound setting while 48kHz discs will be played back at 48kHz **48kHz:** Discs with a 96kHz sampling frequency can be played back at a compressed 48kHz with this setting and 48kHz discs will be played back at 48kHz ● When the audio sampling frequency recorded on the disc is set as desired, output toggles between analog and digital output ● When the 96KHz setting is selected for a disc with copy protection, the signal is blocked from the digital output terminal	**96kHz**	**48kHz**	

Returning changed settings to the original settings (initialization)...

Verify that the power is turned OFF. With the power OFF, press both the button and the button.

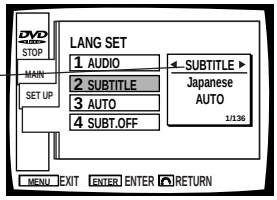
How to Set Basic Audio and Subtitles

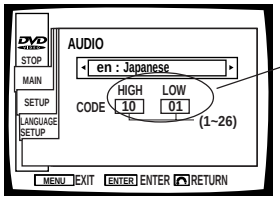
AUDIO



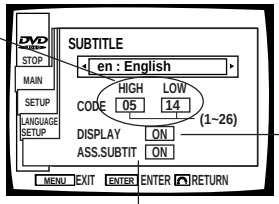
Changes according to the signals from the ◀ or ▶ on the remote control

SUBTITLE





Refers to the input codes (high or low order) on the language code list. Use the remote control to select the number corresponding to the required language
Note:
(For selection of numbers greater than 10, use the >10 button).



After selecting this display with the remote control's ▲ or ▼ button, Display ON or Display OFF can be selected with the remote control's ◀ or ▶ button

- When the auto setting is ON (page 39), the English audio and subtitles may differ from the language set for the basic audio and basic subtitles, because auto setting is given priority.

On some discs, subtitles that explain the scene condition have been recorded to assist the hearing impaired. To display these subtitles set the ASS.SUBTIT to ON.

Language code list

Language	Language-code	Input-code (high-order)	Input-code (low-order)
Japanese	ja	10	01
English	en	05	14
French	fr	06	18
German	de	04	05
Italian	it	09	20
Spanish	es	05	19
Dutch	nl	14	12
Russian	ru	18	21
Chinese	zh	26	08
Korean	ko	11	15
Greek	el	05	12
Afar	aa	01	01
Abkhazian	ab	01	02
Afrikaans	af	01	06
Amharic	am	01	13
Arabic	ar	01	18
Assamese	as	01	19
Aymara	ay	01	25
Azerbaijani	az	01	26
Bashkir	ba	02	01
Belorussian	be	02	05
Bulgarian	bg	02	07
Bihari	bh	02	08
Bislama	bi	02	09
Bengali, Bangla	bn	02	14
Tibetan	bo	02	15

Language	Language-code	Input-code (high-order)	Input-code (low-order)
Breton	br	02	18
Catalan	ca	03	01
Corsican	co	03	15
Czech	cs	03	19
Welsh	cy	03	25
Danish	da	04	01
Bhutani	dz	04	26
Esperanto	eo	05	15
Estonian	et	05	20
Basque	eu	05	21
Persian	fa	06	01
Finnish	fi	06	09
Fiji	fj	06	10
Faroese	fo	06	15
Frisian	fy	06	25
Irish	ga	07	01
Scottish Gaelic	gd	07	04
Galician	gl	07	12
Guarani	gn	07	14
Gujarati	gu	07	21
Hausa	ha	08	01
Hindi	hi	08	09
Croatian	hr	08	18
Hungarian	hu	08	21
Armenian	hy	08	25
Interlingua	ia	09	01

Language	Language-code	Input-code (high-order)	Input-code (low-order)
Interlingue	ie	09	05
Inupiak	ik	09	11
Indonesian	in	09	14
Icelandic	is	09	19
Hebrew	iw	09	23
Yiddish	ji	10	09
Javanese	jw	10	23
Georgian	ka	11	01
Kazakh	kk	11	11
Greenlandic	kl	11	12
Cambodian	km	11	13
Kannada	kn	11	14
Kashmiri	ks	11	19
Kurdish	ku	11	21
Kirghiz	ky	11	25
Latin	la	12	01
Lingala	ln	12	14
Laotian	lo	12	05
Lithuanian	lt	12	20
Latvian, Lettish	lv	12	22
Malagasy	mg	13	07
Maori	mi	13	09
Macedonian	mk	13	11
Malayalam	ml	13	12
Mongolian	mn	13	14
Moldavian	mo	13	15
Marathi	mr	13	18
Malay	ms	13	19
Maltese	mt	13	20
Burmese	my	13	25
Nauru	na	14	01
Nepali	ne	14	05
Norwegian	no	14	15
Occitan	oc	15	03
(Afan) Oromo	om	15	13
Oriya	or	15	18
Panjabi	pa	16	01
Polish	pl	16	12
Pashto, Pushto	ps	16	19
Portuguese	pt	16	20
Quechua	qu	17	21
Rhaeto-Romance	rm	18	13
Kirundi	rn	18	14

Language	Language-code	Input-code (high-order)	Input-code (low-order)
Rumanian	ro	18	15
Kinyarwanda	rw	18	23
Sanskrit	sa	19	01
Sindhi	sd	19	04
Sango	sg	19	07
Serbo-Croatian	sh	19	08
Singhalese	si	19	09
Slovak	sk	19	11
Slovenian	sl	19	12
Samoan	sm	19	13
Shona	sn	19	14
Somali	so	19	15
Albanian	sq	19	17
Serbian	sr	19	18
Siswati	ss	19	19
Sesotho	st	19	20
Sundanese	su	19	21
Swedish	sv	19	22
Swahili	sw	19	23
Tamil	ta	20	01
Telugu	te	20	05
Tajik	tg	20	07
Thai	th	20	08
Tigrinya	ti	20	09
Turkmen	tk	20	11
Tagalog	tl	20	12
Setswana	tn	20	14
Tongan	to	20	15
Turkish	tr	20	18
Tsonga	ts	20	19
Tatar	tt	20	20
Twi	tw	20	23
Ukrainian	uk	21	11
Urdu	ur	21	18
Uzbek	uz	21	26
Vietnamese	vi	22	09
Volapük	vo	22	15
Wolof	wo	23	15
Xhosa	xh	24	08
Yoruba	yo	25	15
Zulu	zu	26	21

Set-Up

Connecting the Player

Connection example 1. ● Television (monitor TV) ● Control Computer ● Sync Generator 45

Connection example 2. AV receiver with digital input for Dolby Digital (AC-3) 47

Connection example 3. AV amp 48

Connection example 4. Digital recording components 48

Using a Laser Bar-code Scanner (Sold Separately) 50

Other Information

For Proper and Long Use 51

Troubleshooting 52

Terms 53

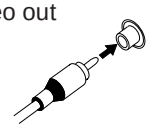
Specifications 55

Connecting the Player

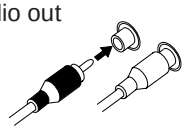
Precautions when Connecting the Player

This player's Analog copy protect technology is copy guarded. If the player is connected to a TV via a VCR, or try to record and playback the contents of a disc through a VCR, the picture may not appear normal.

Video out

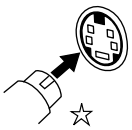


Audio out



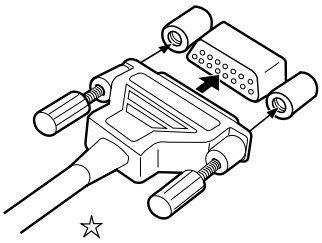
- Match the colors on the connect plugs and the terminals colors: white, red, yellow

S-Video out



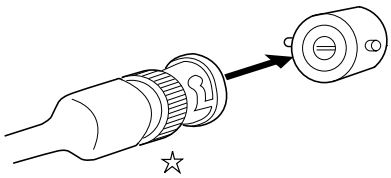
- Connect the S-VIDEO terminal on the TV to the S-VIDEO OUT terminal of this player

Interface Connector (RS-232C)



- Align the plug with the connector and insert then tighten the lock screws

External Sync Input (BNC)



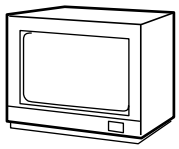
- Align the plug properly with the tab on the connector. Press the plug in carefully then rotate to the right to lock

Note

☆ Cables can be found at local audio/video dealers

Connection Example 1

- **Television (monitor TV),**
- **Control Computer**
- **Sync Generator**



These instructions indicate the connections made when connecting this component directly to a television (monitor TV) for DVD disc playback.

- Please refer to the Advanced Operating Instructions manual for additional information concerning TV (monitor TV) connections

Computer

Audio input (L, R)

Television (monitor television)

Connect one or the other

Audio input (monaural)

Video input (pin plug)

S-Video input (S)

Connect one of these two inputs

RS-232C

* See p. 49, "About the Interface Connector"

☆

Set this switch "ON" when using 1 player, and when not connecting any other components.

INTERFACE CONNECTOR

AUDIO OUT

PCM/ DIGITAL OUT

OFF ON

75 Ω

BLACK BURST

EXIT SYNC IN

DC 5V 40mA

AUDIO (MONO)

VIDEO OUT

VHF ADAPTER

S-VIDEO OUT

Electrical power outlet

Sync signal output terminal

Sync Generator (when an external sync signal is required)

VHF adapter (sold separately)

When connecting to a TV without Video/Audio input terminals

UHF antenna

VHF antenna

VHF antenna

Basic Operation

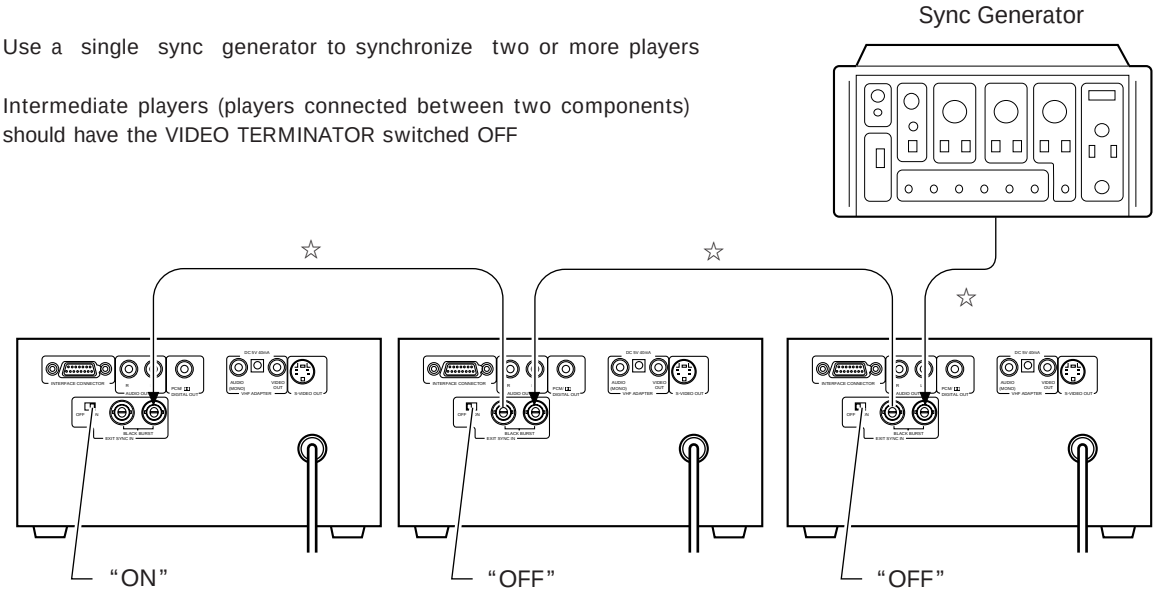
Setting

Set-Up

Other Information

When synchronizing two or more players

- Use a single sync generator to synchronize two or more players
- Intermediate players (players connected between two components) should have the VIDEO TERMINATOR switched OFF



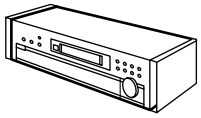
Note

- The external synchronizing function only operates with DVD discs
- Locking of the sub carrier element to the black burst signal does not occur
- During the approximately 5 seconds needed for locking to the external synchronizing signal, there is some video disturbance at the video output jacks
- Input the external synchronizing signal before playing a DVD disc; synchronization fails if commands are sent after playback begins

☆ Cables can be found at local audio/video dealers

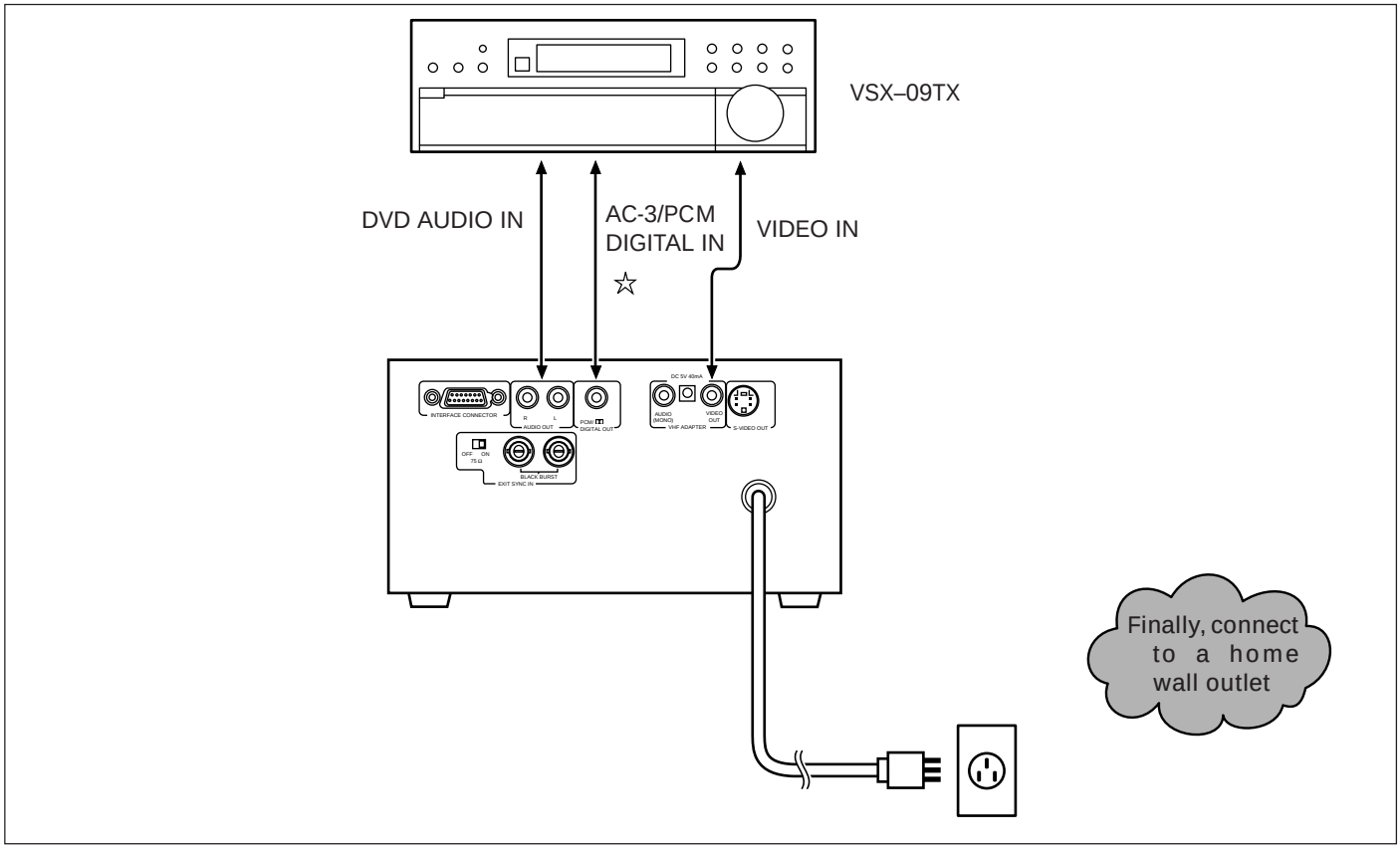
Connection Example 2

AV receiver with digital input for Dolby Digital (AC-3)



To connect the DVD-V7200 to an amp with Dolby Digital (AC-3) inputs

*Make this connection when using this unit with Pioneer's VSX–07TX, VSX–09TX AV receiver.
- Connect the player's digital output PCM/DD jack to the Dolby Digital (AC-3) input jack of a compatible amplifier
- Select whether to use the coaxial digital output according to the amplifier's input jack



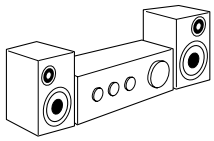
- Some discs may not allow digital output when this player's output down sampling is set for 96kHz (see page 39)

Note

☆ Cables can be found at local audio/video dealers

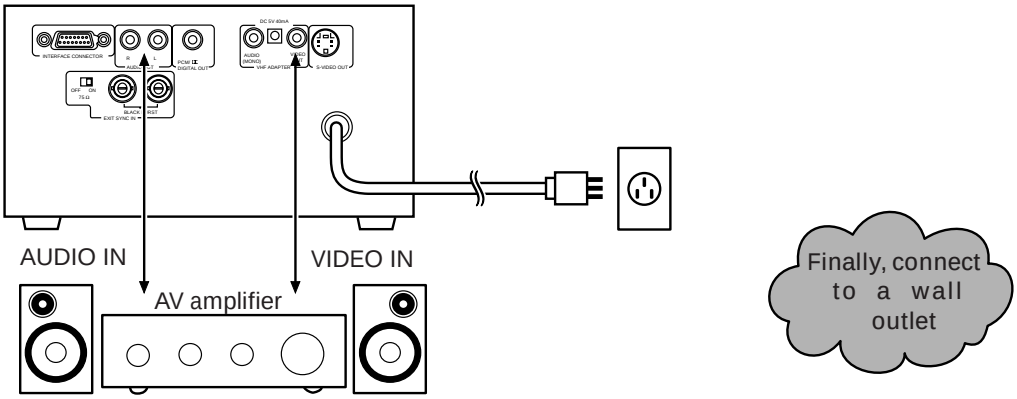
Connection Example 3

AV amp



By connecting to a regular AV amp or stereo amp, you can enjoy playback with improved sound quality.

Connect the player's audio output jacks to an amp's CD, LD, AUX or other audio input jacks. (Do not connect to PHONO jacks)
Connect the player's video output jack to the amp's video input jack

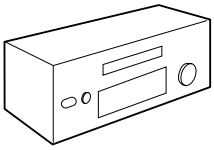


When connecting to a component bearing the Pioneer SR mark:
If you use a commercially available cord with a mini plug (no resistance) to connect this player's EXT.CONT jack to the control output jack of another component bearing the SR mark, the player is controlled as if it were a component in a system (system control).

- A player under system control, ignores commands sent through the remote control.
- Connect the amplifier using an audio cord, even if using only digital components when the system controls the unit
- Surround sound can be enjoyed with amplifiers that have a built-in Dolby Pro Logic decoder
- For further information, refer to the other device's operation manual

Connection Example 4

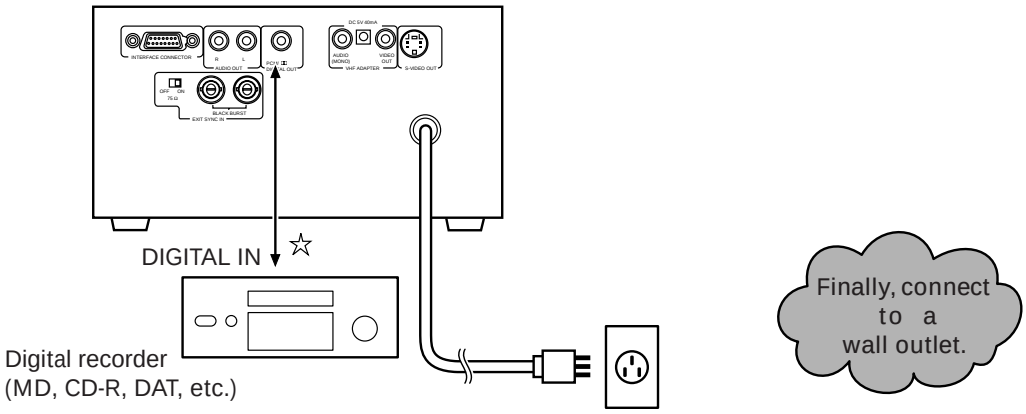
Digital recording components



Digital recording components such as an MD, CD-R or DAT may be connected

Make digital output (Coaxial) connection

- Connect the DVD player's PCM/DD output connector to the digital input connector on the device used for digital recording



Note

When recording a Dolby digital compatible DVD, set "Digital output" to the PCM setting as explained on page 39. When the disc is recorded in Dolby Digital (AC-3), noise is audiable if the setting is left at PCM/DOLBY DIGITAL

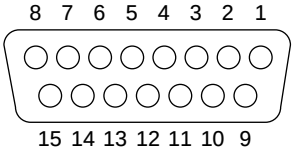
Cables can be found at local audio/video dealers

About the Interface Connector

RS-232C interface

The DVD-V7200 is equipped with one serial interface connector conforming to RS-232C standards.
When controlling the player through the computer's RS-232C interface, use RS-232C connector on the back of player.

① Connector
15-pin D-SUB connector, female



② Signal line
This line supports the signals shown on the diagram.

RS-232C signal line

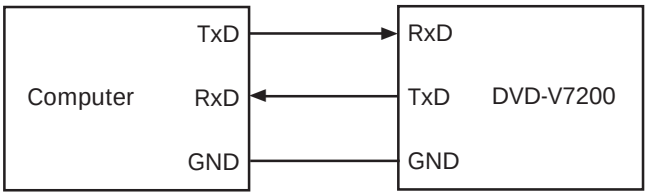
Pin no.	Pin name	Input/Output	Function
1	GND	–	Ground
2	TxD	Output	Transmission output
3	RxD	Input	Reception input
4	DTR	Output	Transmission enable
5	POWER	Input	External power control
6	SW1	Input	*1
7	SW2	Input	*1
8	SW3	Input	*1
9	SW4	Input	*1
10	SW5	Input	*1
11	SW6	Input	*1
12	SW7	Input	*1
13	SW8	Input	*1
14	DLTST	Input	Service connector (do not use this terminal)
15	V+8V	Output	Service connector (do not use this terminal)

* 1 Connect an external switch to this terminal to control the player

● Consult the User's Manual for detailed information regarding this terminal and RS-232C control commands

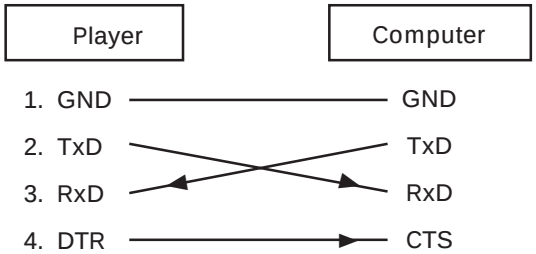
③ Connections to a computer
Connect the computer to the DVD-V7200 as shown below.
(control is possible when the three lines are connected)

RS-232C interface and computer connections



A player accepts commands at any time. It is unnecessary to connect control lines other than TxD and RxD when joining to a computer with a standard RS-232C port.
Some computers fail unless the CTS input is hard-wired. In this case, the DTR output is used. If the DTR is active, a "+" electric potential is output.

RS-232C ports are shown below: (cable sold separately)



Using a LaserBarcode Scanner (Sold Separately)

■LaserBarcode Scanner

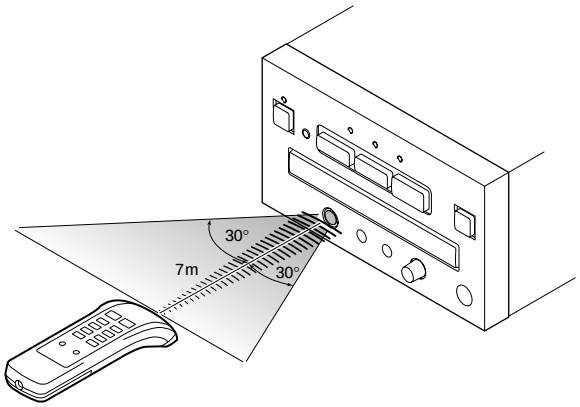
To transmit signals using the optional LaserBarcode Scanner (UC-V108BC) in the wired mode, connect the scanner to the player's front-panel EXT.CONT jack.

To transmit barcodes in the wireless mode, use the remote control (refer to the LaserBarcode Scanner Operating Instructions for full instructions).

Note

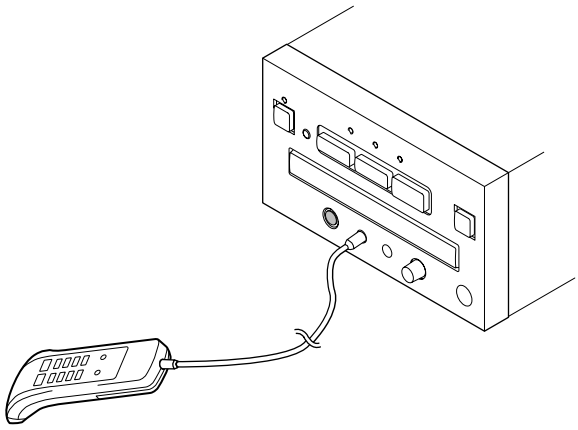
- ◆ While using the LaserBarcode Scanner, sending commands to the player (through the remote control, buttons on the player, or serial commands from a computer) may cause unit lock-ups and malfunctions. To avoid accidental commands being sent to the player, the remote control is disabled while the Laser Barcode Scanner is in the wired mode. Thus, it is best to set up the system in the wired mode when using a Laser Barcode Scanner.
- ◆ When the player is operated via barcodes, the on-screen displays are hidden.
- ◆ When a CD, Video CD or CDV disc is loaded, barcode commands issued for LD or DVD are ignored.
- ◆ When a DVD is loaded, commands issued for CDs are ignored.

Wireless Mode:



Optional LaserBarcode Scanner
VC-V108BC

Wired Mode:



Optional LaserBarcode Scanner
VC-V108BC

For Proper and Long Use

■ DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc.

■ HOW TO MOVE THE PLAYER

When preparing this component to be moved, first remove any disc loaded and press the STOP/OPEN/CLOSE ■/⏏ button to close the disc table. Next, turn the power OFF; after the STANDBY indicator changes to orange, disconnect the power plug from the electrical outlet.

■ INSTALLATION

- Select a stable place to the side of other equipment
- Do NOT install the unit on top of a TV or color monitor. Install the unit away from equipment that may be affected by magnetism, such as a cassette deck.

■ AVOID INSTALLING IN PLACES WITH THE FOLLOWING FEATURES:

- Exposed to direct sunlight
- Exposed to humidity or where ventilation is poor
- Extremely hot or cold
- Exposed to vibration
- Exposed to dust
- Exposed to oily smoke, steam or heat

■ DO NOT PLACE AN OBJECTS ON TOP

Do NOT place any object on the unit

■ DO NOT BLOCK VENTS

Do NOT place the player on a long or loose-fibered carpet and avoid covering with a cloth, etc. This prevents over-heating which could cause damage to the unit.

■ AVOID HEAT

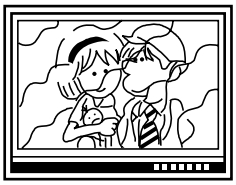
Do NOT place the unit on top of equipment which generates heat such as an amplifier or other audio devices.
When installing the unit in a rack, place it on the lowest shelf possible (but not where it is exposed to dust) and separate from the amplifier to avoid any possible heat damage.

■ CAUTION: IF PLACING THE UNIT IN A STEREO RACK WITH GLASS DOORS

Be sure there is ample space between the unit and the glass doors when opening the disc table.
If the disc table opens against strong resistance, such as **a closed glass door,** the player may be damaged.

■ SWITCH THE POWER OFF WHENEVER THE PLAYER IS NOT IN USE

Depending on the strength of the TV broadcast signal, having the TV set on while the power of the unit is ON may produce stripes on the TV screen. This is normal behavior and not a malfunction of either unit. In this case, switch the player OFF.



POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. Route power cords so that they are unlikely to be stepped on or pinched. A damaged cord can cause a fire or give you an electrical shock.
Check the power cord periodically. If it is damaged, ask the nearest PIONEER authorized service center or your dealer for a replacement.

Troubleshooting

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the items below. Sometimes the trouble may lie in another component. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out any repair work.

	Symptom	Possible causes	Reference page
Operation	1. The disc comes back out even when the disc table is closed	● The disc is dirty or warped	p.11
		● The disc is not placed properly on the disc table	p.10
		● Region number on disc and player do not match	p.54
	2. Playback is impossible	● Condensation has formed inside the player	p.9
		● This player plays the NTSC format only (not PAL or SECAM format)	
	3. Picture disturbance during playback	● This player is compatible with MacroVision System copy guard. Some discs include a copy prevention signal thus when this type of disc is played back, stripes etc., may appear on some sections of the picture (depending on TV model - this is not a malfunction)	p.44
	4. When recorded to a VCR there is disturbance in the playback picture	● This player is compatible with analog copy protect technology copy guard. Some discs include a copy prevention signal thus the copy guard system prevents proper playback	p.44
	5. mark appears on screen	● The selected function does not operate for that disc	
	6. Picture playback stops and the operation button can not be used	● First stop the disc (press the ■ button), then start playback again	
Remote control	7. Remote control operation is not possible	● The front-panel EXT CONT jack is connected	p.14
		● The remote control is too far from the player, or the angle with the remote sensor is too wide.	
		● The batteries are low	p.8
		● A number is input without pressing the FUNCTION button first	
	8. Improper operation of TV set occurs	● Some TVs that have wireless remote control functions may not operate properly with this remote control	
Audio	9. Audio is missing or is distorted	● The digital output setting is set to 96KHz (digital output is prohibited for some discs)	p.40
		● The connection plugs are not inserted fully into the terminals or are not connected	
		● The connection plug or terminal is dirty	p.44~48
		● Audio cable is connected incorrectly	
		● Connection is made to the stereo amplifier's PHONO input terminal	
		● The pause mode is engaged	
		● Stereo amplifier is connected incorrectly (Check input - CD, AUX etc. - selector)	
	10. Noticeable difference in DVD and CD volumes	● There may be a difference in volume between a CD and a DVD disc because of the original recording methods	

Caution: Abnormal functioning of this unit may be caused by static electricity or other external interference. To restore normal operation, unplug the AC power cord then plug it in again.

Terms

Dolby Digital (AC-3)*

The maximum 5.1 channels of audio used in the surround system (Surround Digital) for movie theaters is digital data compressed by AC-3.

For DVD discs, the digital output PCM/ DD jack is connected to the amplifier or processor's digital input AC-3/PCM jack.

PCM

PCM stands for Pulse Code Modulation which is a digital audio system. The digital audio of CD or DVD discs is PCM.

Title Number

Title numbers refer to titles of movies etc. As DVD discs have a large capacity, more than a single movies can be recorded on a disc. For example, if 3 movies are recorded on a disc, they are divided into TITLE 1, TITLE 2 and TITLE 3. Select the title number to choose which movie plays back.

Chapter number

Chapter numbers are the numbers assigned to sections on a title of the disc similar to chapters in a book. If the disc includes these numbers, you can locate the section you want very quickly using chapter search and other functions.

Time number

The time number is the playback lapse time of a title in the disc from its beginning. The scene you want to locate can be searched for with the time number using the time number and other function.

TOC

TOC (Table Of Contents) information is data other than audio signal data recorded at the beginning of a disc. As the name implies, it is like a list of contents in a book. The TOC contains data such as the number and length of songs.

Video CDs

These discs provide MD quality sound and VHS quality video images. MPEG1, the digital signal compression system, supports up to 74 minutes of continuous digital audio and video on a single disc. There are also Video CDs with PBC (Playback Control) for playback using menus and to view still images.

Playback Control (PBC)

This refers to signals recorded on a Video CD (Version 2.0) enabling playback control.
Use menus recorded on discs with PBC for easy, interactive scene searches and playback options.
You can also enjoy viewing high-resolution/standard resolution still images.

High-Resolution Images

If high-resolution still images are recorded on a Video CD, you can enjoy viewing them with four times the resolution of moving images.

Multi-Angle

When you watch regular TV programs you are watching the image filmed through a TV camera. The angle is the image seen from the view point of a TV camera. In a TV studio, the scene is filmed by many cameras positioned thourghout the studio. The program director chooses the view or angle to be broadcast. If some or all of the filmed pictures were transmitted to your TV, you would be able to select from any angle you wished to see. Some DVDs are recorded with multiple angles. These discs are called multi-angle discs.

Aspect

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a normal TV is 4:3, while the ratio of a Hi-vision TV or wide TV is 16:9. This allows you to enjoy a picture with a wider perspective.

Parental level

Parental level control allows restrictions to be set on a scene by scene basis. This feature was originally designed for parents to prevent their children from viewing selected movies.

Subtitle

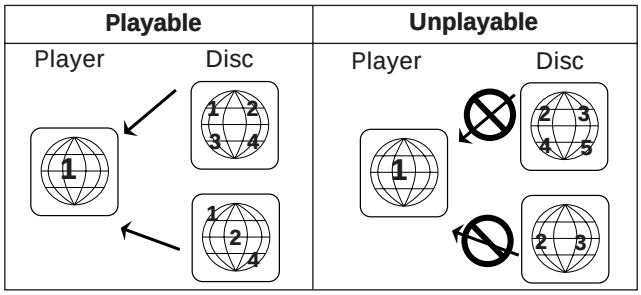
Subtitles are language titles superimposed on movies . Up to 32 different subtitle languages can be added to a DVD disc. Each subtitle may be set to a different language or other video elements.

* *Manufactured under license from Dolby Laboratories, "Dolby", "AC–3" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works, © 1992-1997 Dolby Laboratories, Inc. All right reserved.*

Terms

Regional Restriction Codes (Region Number)

Restriction codes are built-in to DVD players and discs for each region (refer to a Region Code Chart). If the player's region code is different than one of the region codes on a DVD disc, playback fails.
*The Region Code is imprinted on the back of the DVD-V7200



Dynamic Range

Dynamic range refers to the difference between the maximum conversion level for transmission/conversion (of distortion free signals) and noise and/or the minimum rateing of the other equipment.
* Measurements are made in decibel units (dB).

Specifications

General

System ..... DVD system and Compact Disc digital audio system
Laser ..... Semiconductor laser: wavelength 650 nm
Power requirements: ..... AC 120 V, 60 Hz
Power consumption ..... 23 W
Weight ..... 4.7 kg (10 lb 6 oz)
Dimensions ..... 210 (W) x 408 (D) x 119 (H) mm ($8\ ^{1}/_{4}$ x $10\ ^{1}/_{16}$ x $4\ ^{11}/_{16}$ in.)
(Not including protruding cables, etc.)
Operating temperature ..... +5°C to +35°C (+36°F to +96°F)
Operating humidity ..... No more than 85% (no condensation)

S-Video Output

Y (luminance) - Output level ..... 1 Vp-p (75Ω)
C (color) - Output level ..... 286 mVp-p (75Ω)
Jacks ..... S-VIDEO jack

Video Output

Output level ..... 1 Vp-p (75Ω when loaded, synchronous negative)
Jacks ..... RCA

External synchronizing input

Input signal level ..... Black burst
0.3 Vp-p (with 75 load) BNC x 2 (loop through)

Audio Output

Output level
During audio output ..... 200 mVrms (1 kHz, –20 dB)
Number of channels 2
Jacks ..... RCA

Digital audio characteristics

Frequency response	4 Hz to 22 kHz (DVD fs: 48 kHz) 4 Hz to 20 kHz (CD)
S/N ratio	115 dB (EIAJ) (typical)
Dynamic range	97 dB (EIAJ) (typical)
Total harmonic distortion	0.003 %
Wow and flutter	±0.001% W. PEAK or lower (EIAJ)

Other Terminals

Coaxial digital output (PCM/) ..... RCA jack
Communication interface ..... D-SUB, 15-pin

Accessories

Remote control unit 1
AA (R6P) dry cell batteries 2
Audio cord 1
Video cord 1
Laser bar-code Sheet 1
RF adaptor set clamp 1
Screw 1
Operating Instructions (Basic Operations) 1
Operating Instructions (Advanced Feature Operations) 1
Warranty card 1

NOTES:

- *All values listed in these specifications are standard values.*
- *The specifications and design of this product are subject to change without notice, due to improvement.*

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
- Start your volume control at a low setting
- Slowly increase the sound until you can hear it comfortably, clearly and without distortion

Once you have established a comfortable sound level:
- Set the dial and leave it there

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

1 – 8 0 0 – 872 – 4159

Please do not ship your product to Pioneer without first calling the Customer Service Department at the number listed above.

PIONEER ELECTRONICS SERVICE, INC.
CUSTOMER SUPPORT DIVISION
P.O. BOX 1760, LONG BEACH,
CA 90801-1760, U.S.A.

For warranty information please see the Limited Warranty sheet included with your product.

Should this product require service in Canada, please contact a Pioneer authorized dealer in Canada to locate the nearest Pioneer Authorized Service Company.
Alternatively, please contact or ship your defective product freight prepaid to one of the following Factory Service locations closest to you:

Pioneer Electronics of Canada, Inc.

Factory Service East
300 Allstate Parkway
Markham, ON L3R 0P2
(905) 479-4411

Factory Service West
13911 Bridgeport Road
Richmond, BC V6V 1J6
(604) 278-1014

For warranty information please see the Limited Warranty sheet included with your product.

Si ce produit doit être réparé au Canada, veuillez vous adresser à un distributeur autorisé Pioneer au Canada pour obtenir le nom de la société de service autorisée Pioneer la plus près de chez vous. Ou encore, veuillez communiguer avec le centre de service en usine Pioneer le plus près de chez vous ou faire parvenir l'article défectueux, port payé, à ce centre.

Pioneer électroniques du Canada, Inc.

Service en usine - Est
300 Allstate Parkway
Markham (Ontario) L3R 0P2
(905) 479-4411

Service en usine - Ouest
13911 Bridgeport Road
Richmond (C.-B.) V6V 1J6
(604) 278-1014

Pour obtenir des renseignements sur la garantie, veuillez vous reporter au feuillet sur la Garantie Limitée gui accompagne le produit.

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The Art of Entertainment

BCIICD Bar Code CD · LB LaserBarcode 2 · DVD VIDEO · COMPACT disc DIGITAL AUDIO · COMPACT disc DIGITAL VIDEO

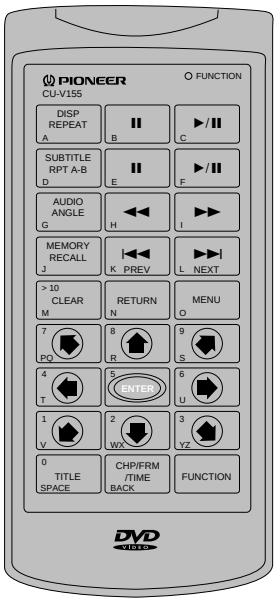
DVD PLAYER

DVD-V7200

NTSC

Operating Instructions (Advanced Feature Operations)

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

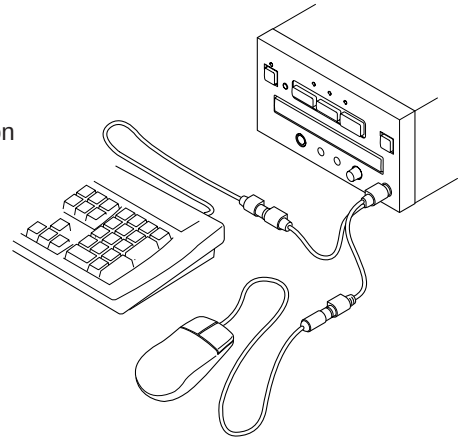


INTRODUCTION

The Basic Operating Instructions denoteshandling methods while this Advanced manual explains original features of the DVD-V7200 player.

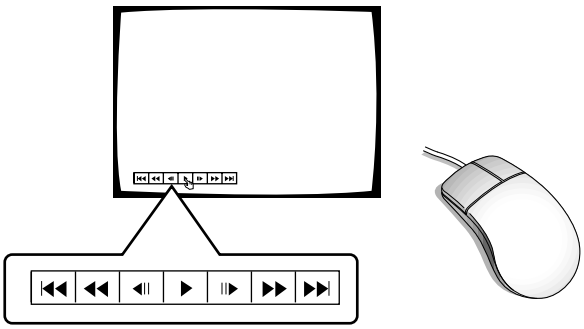
● Connection of mouse and keyboard

How to connect the mouse and keyboard to this unit is explained in this section



● Player Control Using the Mouse

Control method using the mouse is explained in this section

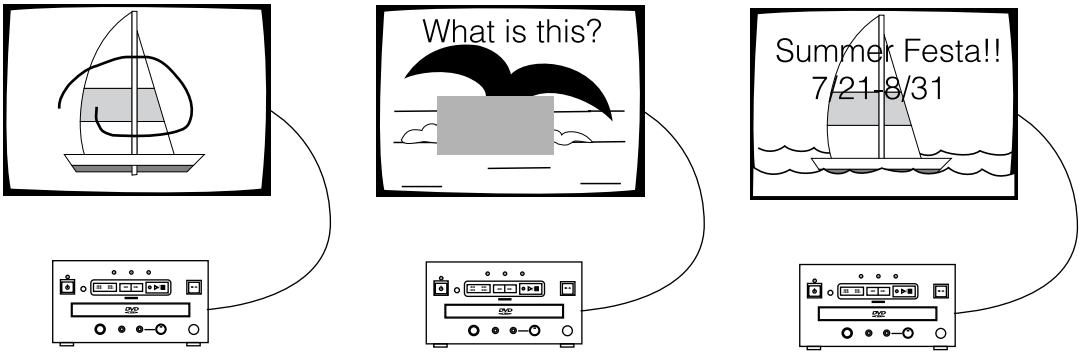


● Advanced Feature Menu

Besides the player menu (explained in the Basic Operation edition) this unit also has an Advanced Feature menu. This section explains details of weekly timer and power on start setup etc., using this menu

● Video Blackboard Function

Using the mouse and keyboard, pictures, lines and characters (alphabet, numbers, symbols) can be drawn during video playback or displayed alone.
Free lines can be drawn on the picture during playback, and pre-drawn drawings or characters can be superimposed on the image and displayed at a specified position during playback.



Uses

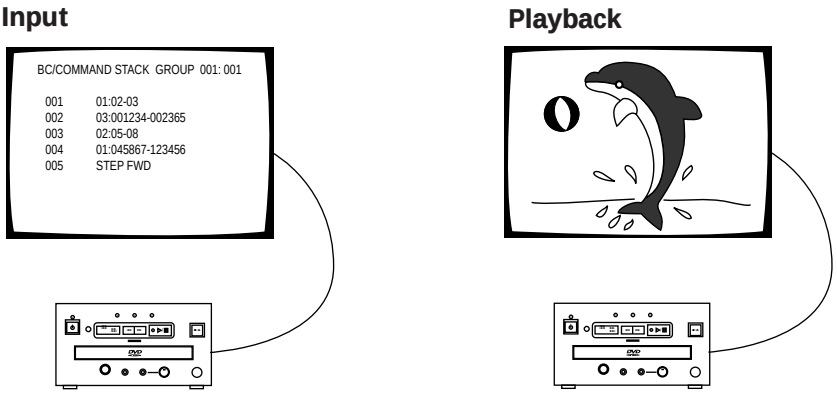
- A pointer
- For picture subtitle
- For picture explanation
- For picture masking

Curved lines can be drawn with the mouse

Pre-drawn drawings or characters can be automatically superimposed on the playback picture

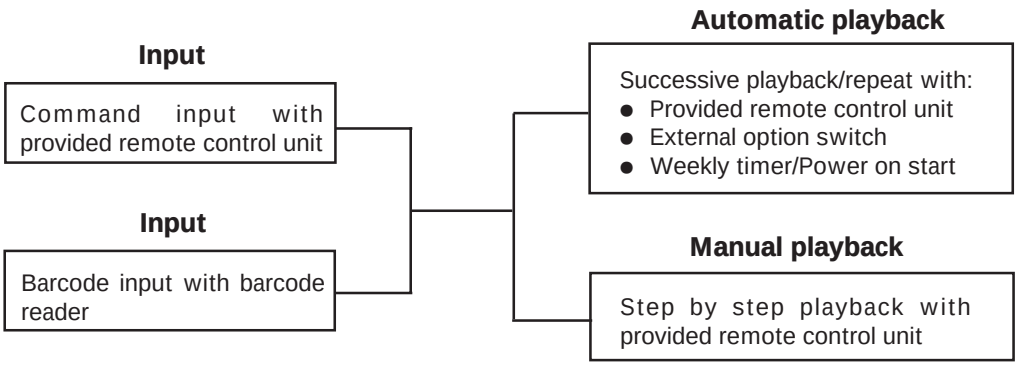
● Barcode/command stack function

Various barcodes or commands used to control the DVD-V7200 can be stored in this player's memory in advance.
Memorized content can be recalled for successive or step by step execution.
With this function, program playback is possible using the player alone without the need for a computer, controller or advance registration of barcodes.



Uses

- Sale promotion presentation
- Picture reference/Picture exhibition
- Education/training



● Others

External synchronizing function
Playback time/Power supply time display

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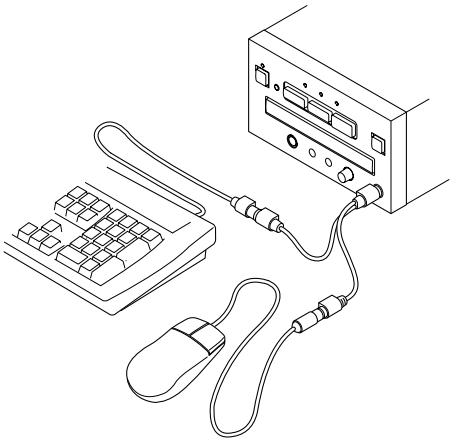
CONNECTION OF MOUSE AND KEYBOARD

A commercially available PS/2 mouse or PS/2 keyboard can be connected to this unit's mouse/keyboard connector as follows.



1. Turn this unit's POWER off to set it to the standby mode.
2. Connect the PS/2 *mouse or PS/2 *keyboard to this unit's MOUSE/KEYBOARD connector.
3. Turn this unit's POWER ON.
Connection is now complete.

If you want to use both the mouse and keyboard, connect them using a commercially available "Y" cable.

Note:
- *The power rating of this MOUSE/KEYBOARD connector is no more than 100mA. Do not use a mouse or keyboard with a current drain exceeding the rating of 100mA.*
- *Certain commercially available PS/2 mouse models, PS/2 keyboard models and "Y" cables may not be compatible with this unit. For details, please consult PIONEER technical support.*

** PS/2 is a registered trademark of IBM corporation.*

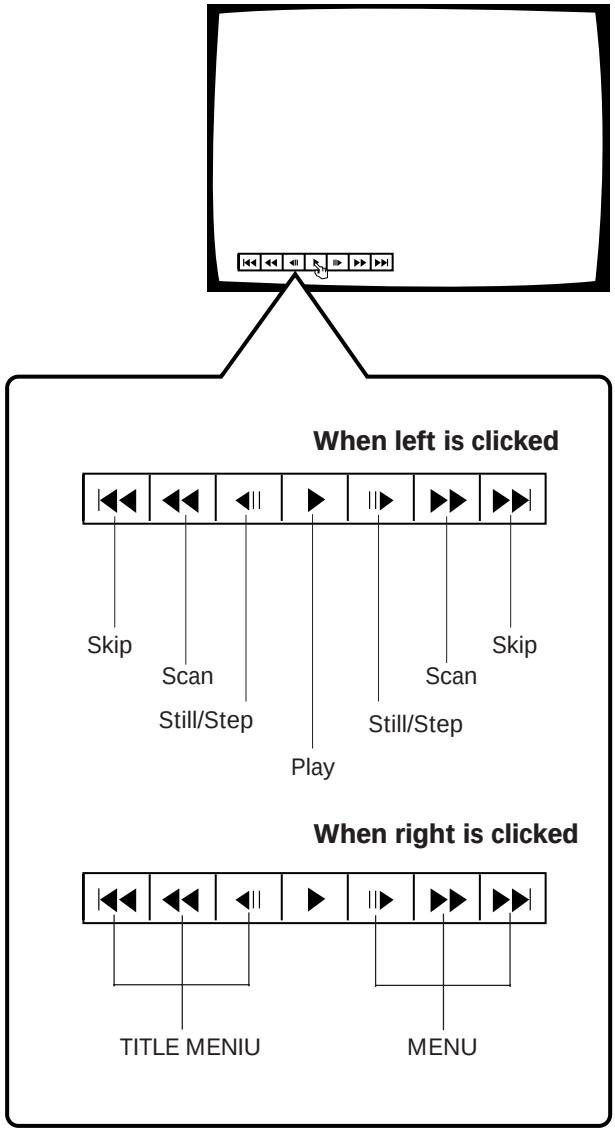
PLAYER CONTROL USING A MOUSE

Mouse operation is possible by connecting a PS/2* mouse and turning power ON.

PLAYER CONTROL ICON

Pressing the mouse's left and right button simultaneously or clicking the right button while holding the left button displays the player control icons on the bottom left of the screen. When the mouse pointer is placed on a player control icon, the pointer changes from ↖ to ☝. While the pointer is in the form of ☝, clicking with the left mouse button performs the same operation as the remote control unit button.

Discs / Function	DVD	VIDEO CD	CD
▶▶|	YES	YES	YES
▶▶	YES	YES	YES
II▶	YES	YES	NO
▶	YES	YES	YES
◀II	YES	NO	NO
◀◀	YES	YES	YES
|◀◀	YES	YES	YES



Clicking the mouse's right button while ☝ is placed on the right half [II▶ ▶▶ ▶▶|] buttons of the player control icon performs the same operation as that when the [MENU] button of the remote control unit is pressed. In the same way, clicking the mouse's right button while ☝ is placed on the left half [|◀◀ ◀◀ ◀II] button of the player control icon performs the same operation as that when the [TITLE] and then [MENU] button of the remote control unit is pressed.

To make the player control icons disappear, perform the same operation as for displaying them, i.e. click the mouse's right button while holding the left button.

CAUTION

While player control icons are displayed, clicking the mouse's right button cannot activate the video blackboard function. To activate the video blackboard function, make the player control icons disappear before clicking the mouse's right button. (Refer to page 18.)

ADVANCED FEATURE MENU SETTINGS

There are 13 items for setup of the DVD-V7200's original functions. Menu operation is carried out with the remote control unit.

● WEEKLY TIMER: OFF/ON

This can set the time for turning power on/off for each day of the week together with the title and chapter (or COMMAND STACK) with which playback is to be started. With this function, unattended operation is possible.

● POWER ON START: OFF/ON

This can set whether playback is to be started automatically (ON) or not (OFF) when the power is turned on.

● TITLE PLAY MODE: SINGLE/ALL

When this is set to SINGLE, playback stops after having played a title. When it is set to ALL, playback stops after having played all titles* in a disc.
* Excluding some discs with menus.

● REPEAT MODE: OFF/CHAPTER/TITLE/DISC

This item sets what is played repeatedly.
When the TITLE DISPLAY MODE is set to ALL, the DISC mode will be added.

OFF: Repeat playback is deactivated.
CHAPTER: Only a chapter is played repeatedly.
TITLE: Only a title is played repeatedly.
DISC: The entire disc is played repeatedly.

● BAUD RATE: 4800 bps/9600 bps

This sets the baud rate of the RS-232C interface. The baud rate can be selected between 4800 bps and 9600 bps.

● TRAY LOCK: OFF/ON

When this is set to ON, the disc tray is locked and cannot be opened or closed. This item helps prevent disc theft.

● BLACKBOARD LOCK: OFF/ON

Normally, clicking the mouse's right button will display the video blackboard input screen but when this is set to ON, the blackboard is locked and will not be activated when the mouse's right button is pressed.

● STILL MODE: FRAME/FIELD

Set this item to FIELD if the still image fluctuates.

● D.R.COMP.: 9 options including OFF/1 to 8 (MAX)

D.R.COMP. stands for Dynamic Range Compression. As the DVD audio has a wide dynamic range, the words may be hard to be understood through your stereo system or TV. In this case, set this item as required.

CAUTION:
D.R.COMP. affects only discs recorded in Dolby Digital (AC-3).

● MARK FRAME SQUELCH: OFF/ON

The picture will be paused at the set mark frame command (end point).

ON: Frame search is used near the end point to confirm the accuracy of the mark frame.
OFF: Although transition from playback to still picture is smooth, there is error between mark frame set value and actual still picture.

● SQUELCH DUR SEARCH: OFF/ON

To set whether a black screen is displayed or not each time search is used. (excluding frame search)

● SYNC OUT (DURING SQ): OFF/ON

ON: The video output is stopped except during playback or a menu screen.
OFF: Video is always output.

● STACK MODE OSD:ON/OFF

For ON/OFF control of OSD display during stack execute.

ADVANCED FEATURE MENU SETUP

Advanced feature menu setting is done with the remote control unit. Setup can be done either when a disc is playing, or when the player is stopped.

DISPLAYING THE MENU SCREEN

Press and hold the MENU button until the menu screen appears (for about 1.5 sec.).

- The menu screen is displayed.

Menu to the 1/2 screen

MENU	page 1/2
WEEKLY TIMER	OFF
POWER ON START	OFF
TITLE PLAY MODE	SINGLE
REPEAT MODE	CHAPTER
BAUD RATE	4800bps
TRAY LOCK	OFF
BLACKBOARD LOCK	OFF
STILL MODE	FRAME
▶D.R.COMP	OFF

Menu to the 2/2 screen

MENU	page 2/2
▶MARK FRAME SQUELCH	OFF
SQUELCH DUR SEARCH	OFF
SYNC OUT (DURING SQ)	OFF
STACK MODE OSD	ON

Pressing the remote control unit's 8 or 2 button will move the ▶ (pointer) on the left side of the setting item up or down. When the menu page 1/2 screen has a ▶ (pointer) at the very bottom part of it, pressing the remote control's 2 button again will change the menu to the page 2/2 screen. When the menu page 2/2 screen has a ▶ (pointer) at the very top part of it, pressing the remote control's 8 button again will change the menu to the 1/2 screen.

Move the ▶ (pointer) to the item you want to set with the remote control unit's 8 or 2 button and change the setting with the remote control unit's 4 or 6 button.

Menu setup is explained in detail from the next page.

CLEARING THE MENU SCREEN

Press the MENU button.

- The menu screen disappears.

> ***NOTE:***
> *When the menu screen is closed the settings will be stored in the internal memory.*
> *If this unit's power is turned OFF while the menu setup screen is open, settings will be erased without being stored.*

WEEKLY TIMER OPERATION

1

MENU	page 1/2
▶WEEKLY TIMER	OFF
POWER ON START	OFF
TITLE PLAY MODE	SINGLE
REPEAT MODE	CHAPTER
BAUD RATE	4800bps
TRAY LOCK	OFF
BLACKBOARD LOCK	OFF
STILL MODE	FRAME
D.R.COMP	OFF

2

ON

MENU	page 1/2
▶WEEKLY TIMER	ON
POWER ON START	OFF
TITLE PLAY MODE	SINGLE
REPEAT MODE	CHAPTER
BAUD RATE	4800bps
TRAY LOCK	OFF
BLACKBOARD LOCK	OFF
STILL MODE	FRAME
D.R.COMP	OFF

3-4

▶00–00–00	—.	00:00.00
	ON	OFF
MON.	––:––	––:––
TUE.	––:––	––:––
WED.	––:––	––:––
THU.	––:––	––:––
FRL.	––:––	––:––
SAT.	––:––	––:––
SUN.	––:––	––:––

5

98–00–00	SUN.	00:00.00
	ON	OFF
MON.	––:––	––:––
TUE.	––:––	––:––
WED.	––:––	––:––
THU.	––:––	––:––
FRL.	––:––	––:––
SAT.	––:––	––:––
SUN.	––:––	––:––

Tip

The built-in clock is powered by a capacitor. The clock of this unit functions even when it is in the STANDBY mode, provided that the AC cord is plugged into a power outlet. If the AC cord is unplugged, the clock can continue functioning for 3 or 4 days (when the capacitor is fully charged and at 25 deg.C).

SETTING/CORRECTING THE CURRENT TIME

Set the current date and time.

1. **Move the ▶ (pointer) to "WEEKLY TIMER" by pressing the 8 or 2 button.**
2. **Press the 4 or 6 button and set to ON.**
3. **Press the 5 ENTER button.**
   - The Weekly Timer setting screen is displayed.
4. **Press the 5 ENTER button.**
   - The date/time setting screen is displayed blinking.
5. **Set the time of the day.**
   - Set figures in order of year (2 digits), month, day, day of the week, hour, minute and second.

These figures can be input in any of the following two methods.

A. Input using the numeric buttons and the NEXT (NEXT) button

B. Input using the 8 or 2 button and the ENTER (5 ENTER)button

- "A" and "B" in the following description refers respectively to the two operation methods above.

Example) To set to 8:15:00, Wednesday April 29, 1998

A: Press FUNCTION → 9 → 8 → NEXT → 0 TITLE → 4 → NEXT → 2 → 9 → NEXT → 2 → NEXT → 0 TITLE → 8 → NEXT → 1 → 5 ENTER → NEXT → 0 TITLE → 0 TITLE → NEXT.

*** The days of the week can be set using the following numeric buttons.**

MON.: 0, TUE.: 1, WED.: 2, THU.: 3, FRI.: 4, SAT.: 5, SUN.: 6.

B: Press the 8 or 2 button to select 98 and press the 5 ENTER item to start the setting of the next set of figures (the month in this case).

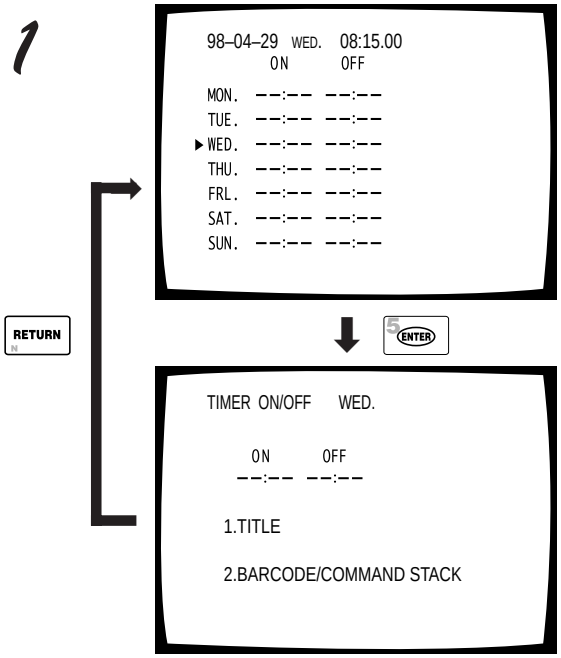
Set the month, day, day of the week, hour, minute and second, and press the 5 ENTER button to complete the setting operation.

To correct the date or time

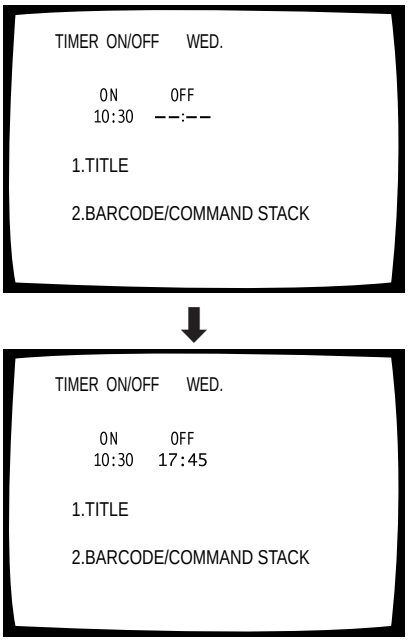
When the setting screen appears in step 3 above, press the 5 ENTER button so that the figures of the year start to blink. Then press the NEXT button 4 times so that the figures of hour blink, and set them with the same method as above.

WEEKLY TIMER OPERATION

1



2



SETTING THE WEEKLY TIMER

1. **When the setting screen appears in step 3 on the previous page, press the 8 or 2 button to move ▶ (pointer) to the day of the week and press the 5 ENTER button.**

2. **Set the power ON/OFF time.**

Example 1) To turn power ON at 10:30 on Wednesday

- Move ▶ (pointer) to "WED" and press the ENTER button.

A: Press FUNCTION → 1 → 0 TITLE → NEXT → 3 → 0 TITLE → NEXT → NEXT.

B: Press the 8 or 2 button to select 10 and press the 5 ENTER item to start the setting of the next set of figures. Now set it to 30 and press the 5 ENTER button twice.

- If the power OFF time is not set, the timer simply turns power ON.

Example 2): To turn power ON at 10:30 on Wednesday and turn it off at 17:45

A: Press FUNCTION → 1 → 0 TITLE → NEXT → 3 → 0 TITLE → NEXT → 1 → 7 → NEXT → 4 → 5 ENTER → NEXT.

B: Press the 8 or 2 button to select 10 and press the 5 ENTER item to set the setting of the next set of figures. Set the subsequent sets of figures to 30, 17 and 45 by repeating the above.

NOTE:

It is also possible to set only the power OFF time without setting the power ON time. In this case, when power is turned ON manually, it will be turned OFF at the set time.

3

1

```
TIMER ON/OFF     WED.

     ON        OFF
   10:30     17:45

▶1.TITLE

  2.BARCODE/COMMAND STACK
```

2

```
TIMER ON/OFF     WED.

     ON        OFF
   10:30     17:45

  1.TITLE

▶2.BARCODE/COMMAND STACK
```

```
TIMER ON/OFF     WED.

     ON        OFF
   10:30     17:45

▶1.TITLE

  2.BARCODE/COMMAND STACK
```

Pointer

⬇

```
98–04–29  WED.   08:15.00
          ON        OFF
MON.    --:--     --:--
TUE.    --:--     --:--
▶WED.   10:30     17:45  T06:C02
THU.    --:--     --:--
FRL.    --:--     --:--
SAT.    --:--     --:--
SUN.    --:--     --:--
```

3. Set the operation to be performed at the moment timer playback starts.

1. TITLE: Setup for playing the specified title and chapter.

- Refer to "Playing the specified title and chapter".

2. BARCODE COMMAND STACK: Setup for recalling the display of the barcode command stack groups from memory.

- Refer to "Recalling the display of the barcode command stack groups from memory" on next page.
- Select one of the above with the 8 ⬆ or 2 ⬇ button, and press the 5 ENTER button.

CAUTION

- *This step cannot be performed if the power ON time has not been set.*
- *The data is written in memory at the moment the timer setup screen is exited. The timer setup will not be stored in memory if power is turned off before or without exiting the screen.*
- *On a DVD disc that has been setup to start playback automatically, the setup made above will not be applied to the disc.*

CLEARING THE SET TIME

With the TIMER ON/OFF time input screen (shown above) displayed, press the >10 CLEAR button of the remote control unit.
To clear the set time and return to the list display.

PLAYING THE SPECIFIED TITLE AND CHAPTER

- Move ▶ (pointer) to "1 TITLE" and press the 5 ENTER button.

Example) To begin playback with Chapter 2 of Title 6

A: Press FUNCTION → 0 TITLE → 6 → ▶▶| NEXT → 0 TITLE → 2 → ▶▶| NEXT.

B: Press the 8 ⬆ or 2 ⬇ button to select 06 and press the 5 ENTER item to start the setting of the next set of figures. Now press the 8 ⬆ or 2 ⬇ to select 02 and press the 5 ENTER button.

CAUTION

- *When a title and chapter are selected, playback continues after the selected chapter only when there is one or more chapter after it. Playback completes at the end of the selected title.*
- *If repeat playback is set in the Advanced Feature menu, the selected chapter is played first then the set repeat playback starts.*
- *When setting tracks on a CD or Video CD, please enter the track number in the CHAPTER in the above setting. At this time TITLE and BARCODE/COMMAND STACKs settings will not operate.*

WEEKLY TIMER OPERATION

```
TIMER ON/OFF     WED.

      ON        OFF
     10:30     17:45

  1.TITLE

 ▶2.BARCODE/COMMAND STACK
```

⬇

```
98–04–29  WED.   08:15.00
          ON        OFF
 MON.   --:--    --:--
 TUE.   --:--    --:--
▶WED.   10:30    17:45  GROUP005
 THU.   --:--    --:--
 FRL.   --:--    --:--
 SAT.   --:--    --:--
 SUN.   --:--    --:--
```

SETUP FOR RECALLING THE DISPLAY OF BARCODE/ COMMAND STACK GROUPS FROM MEMORY

- Move the pointer to **2. BARCODE/COMMAND STACK** and press [5 ENTER].

Example) To recall and display Barcode/Command stack group "5"

A: Press [FUNCTION] → [5 ENTER] → [▶▶| NEXT].

B: Press the [8 R ⬆] or [2 WX ⬇] button to select 005 and press the [5 ENTER] button.

Now the timer setting is complete.

CAUTION

When a Barcode Command stack group is selected, the command stack within the group will be executed repeatedly regardless of whether the repeat mode in the Advanced Feature menu is set to ON or OFF.

SETTING THE TIMER FUNCTION TO NOT OPERATE WITH THE WEEKLY TIMER SETTING LEFT AS IS

```
 MENU                    page 1/2
▶WEEKLY TIMER            OFF
 POWER ON START          OFF
 TITLE PLAY MODE         SINGLE
 REPEAT MODE             CHAPTER
 BAUD RATE               4800bps
 TRAY LOCK               OFF
 BLACKBOARD LOCK         OFF
 STILL MODE              FRAME
 D.R.COMP                OFF
```

1. Move the ▶ (pointer) to WEEKLY TIMER on the Advanced Feature menu screen and set to OFF with the remote control unit's [8 R ⬆] or [2 WX ⬇] button.

POWER ON START FUNCTION

1-2

MENU	page 1/2
WEEKLY TIMER	OFF
▶POWER ON START	ON
TITLE PLAY MODE	SINGLE
REPEAT MODE	CHAPTER
BAUD RATE	4800bps
TRAY LOCK	OFF
BLACKBOARD LOCK	OFF
STILL MODE	FRAME
D.R.COMP	OFF

3

POWER ON START

▶1.TITLE

▶2.BARCODE/COMMAND STACK

Select 1

Select 2

POWER ON START

▶1.TITLE
TITLE 06 CHAPTER 02

2.BARCODE/COMMAND STACK

MENU	page 1/2
WEEKLY TIMER	OFF
▶POWER ON START	T06:C02
TITLE PLAY MODE	SINGLE
REPEAT MODE	CHAPTER
BAUD RATE	4800bps
TRAY LOCK	OFF
BLACKBOARD LOCK	OFF
STILL MODE	FRAME
D.R.COMP	OFF

Specify the title and chapter.

POWER ON START FUNCTION

1. **Move the ▶ (pointer) to "POWER ON START" by pressing the 8 or 2 button.**
2. **Set it to ON by pressing the 4 or 6 button.**
3. **Press the 5 ENTER button.**

- The **POWER ON START** setting screen is displayed.

1. TITLE: Playing the specified title and chapter.

2. BARCODE/COMMAND STACK: Recalling and displaying the Barcode/Command stack groups in memory.

- Select one of the above with the 8 or 2 button, and press the 5 ENTER

1. Playing the specified title and chapter

- Move the ▶ (pointer) to **1. TITLE** and press 5 ENTER.

Example) To begin playback with Chapter 2 of Title 6

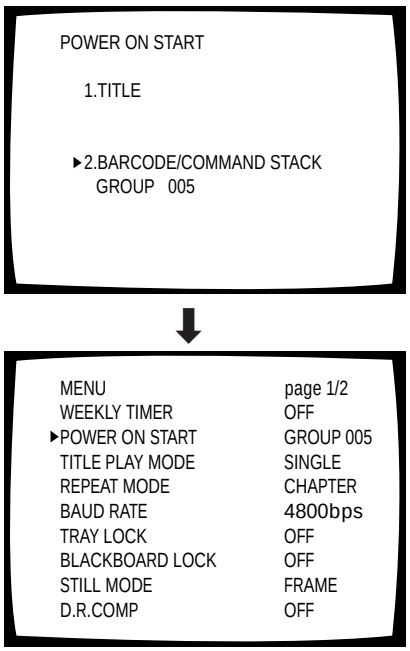
A: Press FUNCTION → 0 TITLE → 6 → ▶▶| NEXT → 0 TITLE → 2 → ▶▶| NEXT.

B: Press the 8 or 2 button to select 06 and press the 5 ENTER item to start the setting of the next set of figures. Now press the 4 or 6 to select 02 and press the 5 ENTER button.

CAUTION

- *When setting tracks on a CD or Video CD, please enter the track number in the CHAPTER in the above setting. At this time TITLE and BARCODE/COMMAND STACKs settings will not operate.*

POWER ON START FUNCTION



Specify the Barcode/Command stack.

2. Recalling and displaying the Barcode/Command stack groups in memory

- Move the ▶ (pointer) to **2. BARCODE/COMMAND STACK** and press [5 ENTER].

Example) To execute Barcode/Command stack group 5

A: Press [FUNCTION] → [5 ENTER] → [NEXT].
B: Press the [8] or [2] button to select 005 and press the [5 ENTER] button.

- The Advanced Feature menu setup screen is displayed again, in which the **POWER ON START** setting is shown.
  Now the setting of the operation to be performed at power ON is complete.

CAUTION
With a disc with which playback starts automatically, the operation may differ from the setting.

TURNING OFF THE POWER ON START FUNCTION

1. On the Advanced Feature menu screen, move the ▶ (pointer) to POWER ON START with the remote control unit's [8] or [2] button and select OFF with the remote control unit's [4] or [6] button.

ADVANCED FEATURE MENU DETAILED INFORMATION

TITLE PLAY MODE SETUP

On the Advanced Feature menu screen, move the ▶(pointer) to **TITLE PLAY MODE** with the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select **SINGLE** or **ALL**.

TITLE PLAY MODE SINGLE
In the normal DVD player mode, playback will stop after playback of 1 title on the DVD disc.

TITLE PLAY MODE ALL
After playback of 1 title on the DVD disc, playback will continue to the next title and play all titles on the disc.

NOTE:
Some DVD discs include menus etc., and on these types of discs playback will pause while the menu screen is displayed and the above operations will not function.

REPEAT MODE SETUP

On the Advanced Feature menu screen, move the ▶ (pointer) to **REPEAT MODE** with the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **OFF/CHAPTER/TITLE/DISC**.
When the TITLE DISPLAY MODE is set to ALL, the DISC mode will be added.

OFF: In the normal DVD player mode, repeat playback is deactivated.
CHAPTER: Only one chapter is played repeatedly. (DVD disc) On a CD or V-CD one track is played repeatedly.
TITLE: Only one title is played repeatedly.
DISC: The entire disc is played repeatedly.

> On a CD or V-CD the whole disc is played repeatedly when either TITLE or DISC is selected.

BAUD RATE SETUP

This function sets the baud rate of the RS-232C interface. The baud rate can be selected between 4800 bps and 9600 bps.

For setup, move the ▶ (pointer) to **BAUDE RATE** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button, and press the remote control unit's 4 or 6 button to select between 4800bps and 9600bps.

TRAY LOCK SETUP

When this mode is set to **ON**, the tray is locked and can not be opened or closed. When a disc is loaded and the **TRAY LOCK** is set to **ON**, the disc can not be ejected until **TRAY LOCK** is set to **OFF** with the remote control unit.
Use this function when you do not wish the tray to be openable by others.

For setup, move the ▶ (pointer) to **TRAY LOCK** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button, and press the remote control unit's 4 or 6 button to select between **OFF/ON**.

BLACK BOARD LOCK SETUP

This function locks the black board input mode so that the black board screen is not displayed. Input functions other than player control functions operated with the mouse are prohibited. Use this function when an undetermined number of people are using the player and you do not want the video back board input commands etc., to be changed.
For setup, move the ▶ (pointer) to **BLACK BOARD** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **OFF/ON**.

STILL MODE SETUP

The paused picture of scenes with much movement may fluctuate during **STILL**. In this case, changing the **FRAME** to **FIELD** will stop the fluctuation, making the picture easier to see.
For setup, move the ▶ (pointer) to **BLACK BOARD** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **FRAME/FIELD**.

D.R.COMP SETUP (DYNAMIC RANGE COMPRESSION)

As the DVD audio has a wide dynamic range, words may be hard to understand through your stereo system or TV. In this case set this function as required.
There are 9 levels that can be selected: **OFF/1** to **8 (MAX)**.
For setup, move the ▶ (pointer) to **P.R.COMP** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **OFF/1** to **8 (MAX)**.

ADVANCED FEATURE MENU DETAILED INFORMATION

MARK FRAME SQUELCH SETUP

Within mark frame input commands, the picture will be paused at mark frame (playback stop point).
When set to **ON**, frame search is used near the end point to confirm the accuracy of the mark frame.
When set to **OFF**, although the transition from playback picture to still picture will be smooth, some amount of frame error between the mark frame set value and the actual still picture may occur.

For setup, move the ▶ (pointer) to **MARK FRAME SQUELCH** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **OFF/ON**.

SQUELCH DUR SEARCH SETUP

ON: Screen momentarily turns black during search.
OFF: Screen does not momentarily turn black during search.

For setup, move the ▶ (pointer) to **SQUELCH DUR SEARCH** setup on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **ON/OFF**.

SYNC OUT (DURING SQ) SETUP

This function sets whether a picture sync signal is output with video output when the player is stopped.
OFF: Video is always output and there is no loss of sync signal.
ON: There is loss of picture output at times other than playback or when menu screens are displayed.

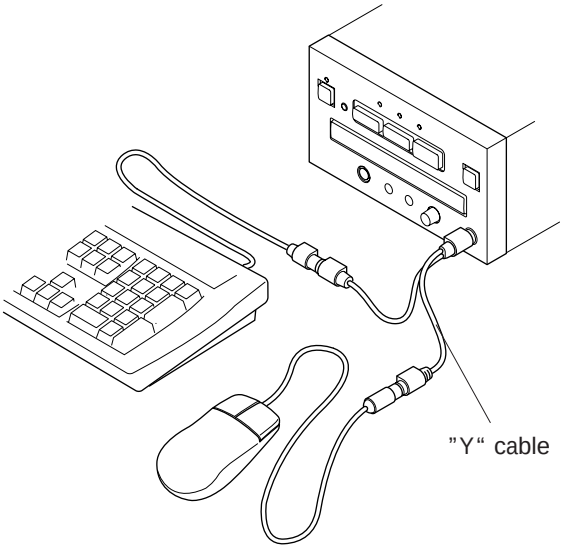
For setup, move the ▶ (pointer) to **SYNC OUT (DURING SQ)** on the Advanced Feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **ON/OFF**.

STACK MODE OSD SETUP

This function controls **ON/OFF** of **OSD** displays during stack playback.
ON: **STACK OSD** is displayed on the screen when search is used during stack playback.
OFF: **STACK OSD** is not displayed.

For setup, move the ▶ (pointer) to **STACK MODE OSD** on the Advanced feature menu screen using the remote control unit's 8 or 2 button and press the remote control unit's 4 or 6 button to select between **ON/OFF**.

CHARACTER INPUT/PICTURE DRAWING



The video blackboard function of this unit allows you to draw characters and pictures just like on a blackboard. The drawn characters and pictures can be displayed alone or superimposed on the disc video.

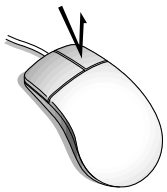
OPERATION USING THE MOUSE OR KEYBOARD

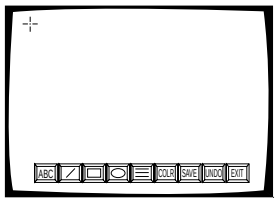
Connect the PS/2 mouse or PS/2 keyboard to the mouse/keyboard connector of this unit.
Be sure to put this unit to the standby mode or unplug the power cord before connecting the mouse or keyboard to this unit.
If you want to use both the mouse and keyboard, connect them using a commercially available "Y" cable.

* *The power rating for the mouse/keyboard connector of this unit is 5 V and no more than 100 mA.*
Do not use a mouse or keyboard with a current drain exceeding the rating of 100 mA.
Certain PS/2 mouse models and PS/2 keyboard models may not be usable with this unit. For details, please consult PIONEER TECHNICAL SUPPORT.

ACTIVATING THE BLACKBOARD FUNCTION

1. **Press the POWER button.**
2. **Click the right button anytime to display the Blackboard screen.**
   - This causes forward play to stop automatically. Forward play resumes when video blackboard mode is exited.



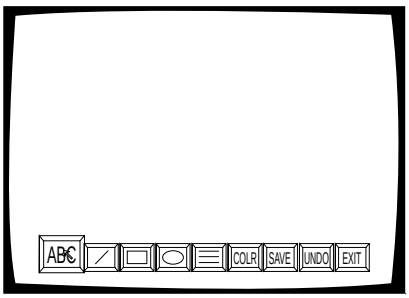


Blackboard screen

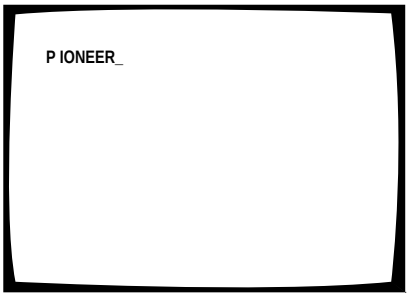
INPUTTING CHARACTERS

1. **Move the cursor to ABC and press click the mouse's left button.**
2. **Move the cursor to the position where you want to input the first character.**
   - The cursor changes to the I cursor in the area where character input is possible.
3. **Click the mouse's left button.**
   - "_" is displayed overlapped with the I cursor.
4. **Input a character.**
   - Characters can also be input from the PC keyboard provided that this is connected.
     The PC keyboard can input characters by distinguishing the numerals, symbols and uppercase/lowercase alphabet as well as carriage returns.
5. **Click the mouse's right button after completing the input.**
   - The Blackboard screen is displayed again.
   - To save the characters, use the procedure in "Saving characters or pictures" on page 20.

1-3

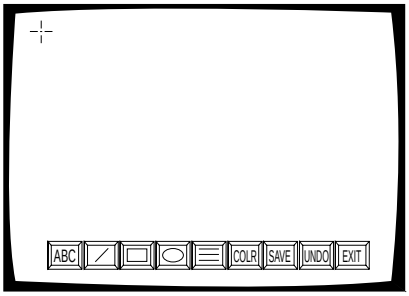


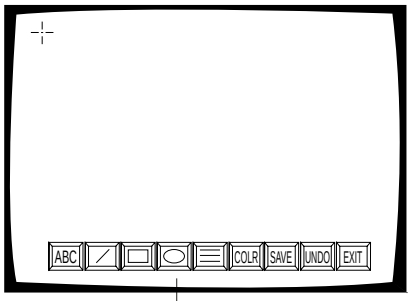
4



Input of PIONEER

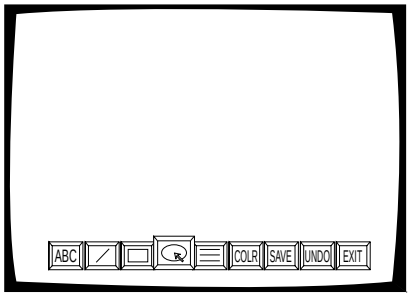
5



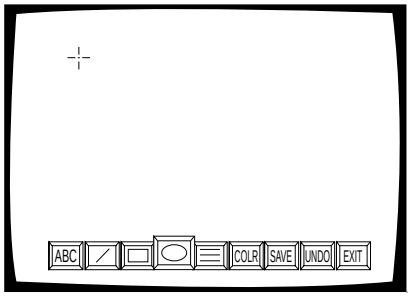


Drawing tools

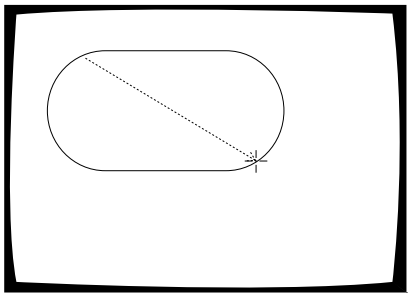
1



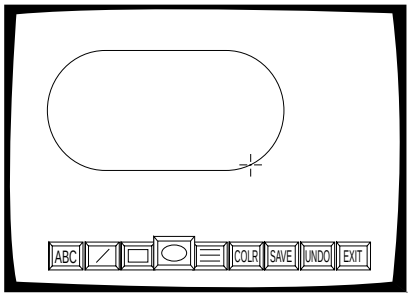
2



3



4



USING THE DRAWING TOOLS

- Use the mouse's left button to select icon below.

(LINE): Draws a straight line.

(BOX): This tool can be switched by clicking to a tool for drawing a line-enclosed rectangle, solid-painted rectangle or a rectangle the outside of which is painted.

(ROUND): This tool can be switched by clicking to a tool for drawing an ellipse, solid-painted ellipse or an ellipse the outside of which is painted.

: This tool can be switched by clicking to a tool for drawing a thin, medium or thick line.

COLR **: Each click switches the color to Red, Blue, Green, Yellow, White, Black, Gray or Purple.**

SAVE **: Saves the drawn picture.**
(See page 20 for the saving method.)

UNDO **: Cancels the drawn picture. Each click cancels the last drawn picture.**
Press with the mouse for more than 1 second to clear the entire drawing in the screen.

EXIT **: Click the mouse to exits the current screen .**

NOTE

- *The Direction buttons (8 R, 8 R, 6 U, 3 YZ, 2 WX, 1 V, 4 T, 7 PQ) and ENTER button on the remote control unit can also be used for the above operation.*
- *The blackboard function will not function in a disc's menu screen.*

DRAWING A PICTURE

Press the mouse's left button at the point you want to start drawing and move the cursor (without releasing the mouse button). (This operation is referred to as dragging.)

1. Select a drawing tool.

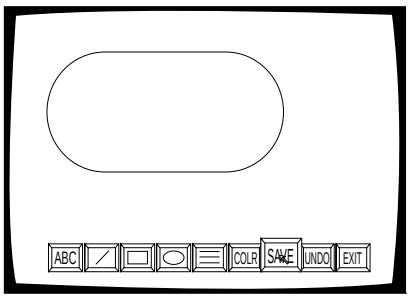
2. Move cursor to the drawing start position.

3. Drag.
- A picture is drawn as you move the cursor.

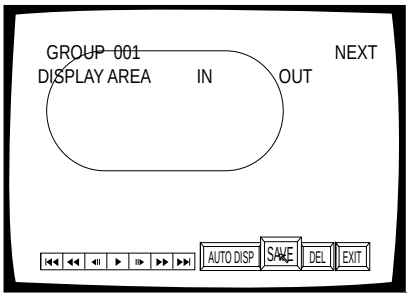
4. Release finger from the mouse.
- Draw other pictures by repeating the above.

CHARACTER INPUT/PICTURE DRAWING

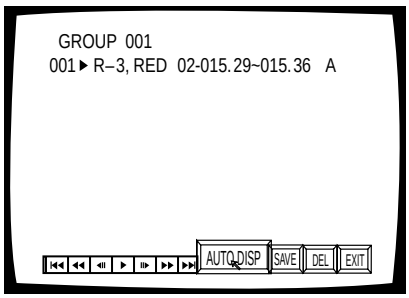
1



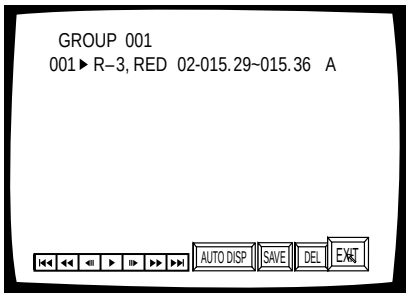
2-4



5



6



SAVING CHARACTERS OR PICTURES

1. Click the SAVE button on the screen.
- The Save screen is displayed.

2. Display the video where you want to begin displaying the object or text.
- "IN" blinks.
- Display the video by controlling the player control icon at the bottom left of the screen.

3. Click the SAVE button on the screen.
- "OUT" starts to blink.
- This sets the display start position.

4. Display the video where you want to stop displaying the object or text.
- Display the video by controlling the player control icon at the bottom left of the screen.

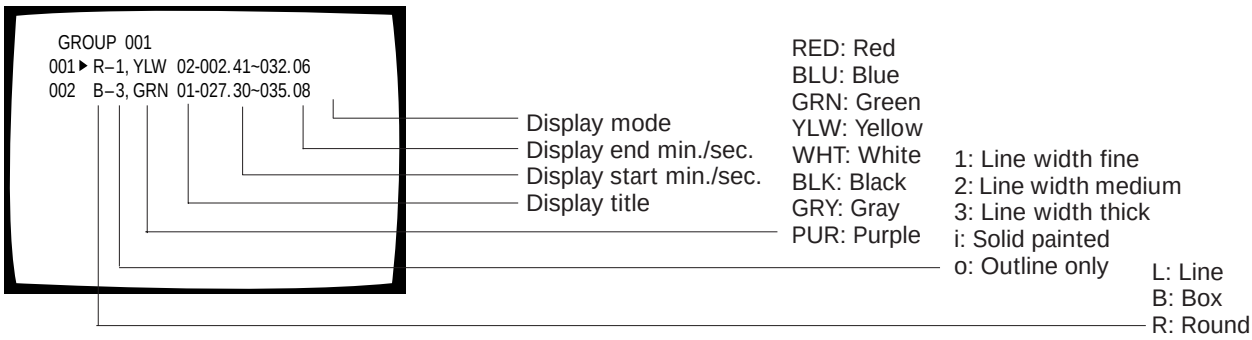
5. Click the AUTO DISP button on the screen.
- This sets the display end position.
- The characters or pictures are saved in the player's memory.
- The group and step where they are saved are shown.

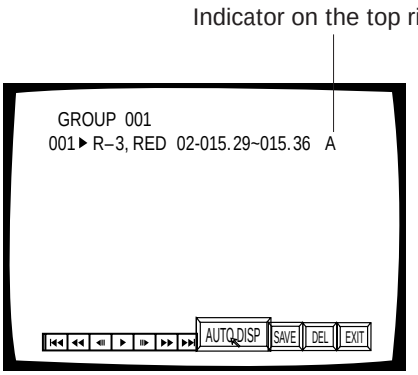
6. Click the EXIT button.
- The Blackboard screen is displayed again.

NOTE:
By saving the characters and drawing without playing a disc, the drawing can be displayed in a desired scene. (See page 23 for execting method.

CAUTIONS:
- With a DVD, the start point (IN) and end point (OUT) can be set only within the same title.
- Should mention that video blackboard will not function in a disc's menu screen.
- The stored frame will have a ± 1 frame error.
- The Direction buttons (8 R, 8 R, 6 U, 3 YZ, 2 WX, 1 V, 4 T, 7 PQ) and ENTER button on the remote control unit can also be used for the above operation.

DETAILS ON THE BLACKBOARD





TO CHANGE THE DISPLAY MODE

1. Move the cursor to the line you want to change and click the left button of the mouse.
2. Move the cursor to [AUTO DISP] and click the left button of the mouse.

Indicator display on the right edge of screen

A : Displayed at the same time as the disc playback, from the set start point through the set end point.

A S : The video becomes a still image at the set start point.

– A S : The video becomes a still image immediately before the set start point.

No display: The set characters or pictures are not displayed.
Pressing the [ENTER] button in this section starts drawing.

S : The video becomes the still image at the set start point but objects are not displayed.
Press the [ENTER] button on the remote control unit to start picture drawing.

* : The * mark is displayed on the top right of the screen during playback.
Pressing the [ENTER] button in this section starts drawing.

* S : The video becomes a still image, in which only the * mark is displayed, at the set start point.
Press the [ENTER] button on the remote control unit to start picture drawing.

Meaning of displayed symbols

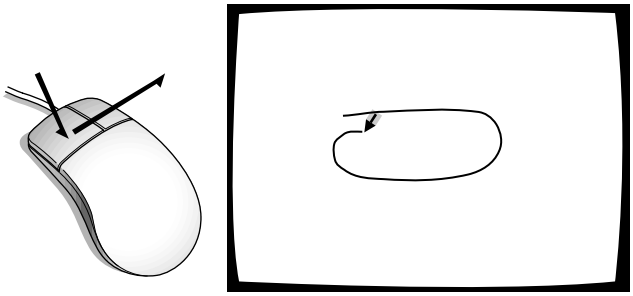
"S" stands for "Still image" and plays a still image at the IN point.
"A" stands for "Auto display", which displays drawing in the screen set with AUTO DISP.
"*" displays only the * marking.
"–" displays a still image immediately before the start of the IN point.

PENCIL TOOL/FREEHAND DRAWING

Click the right button of the mouse in the video blackboard input screen to turn the pointer into the pencil tool. Freehand drawing is possible by holding the mouse's left button.
Clicking the right button again displays the Blackboard screen.

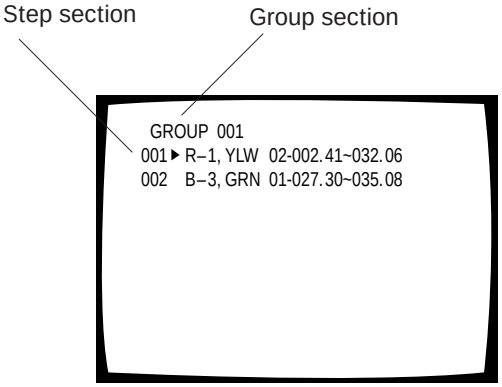
CAUTION:

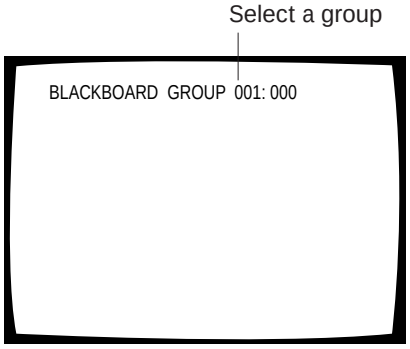
- *Pictures can be drawn using the pencil tool but they cannot be saved later.*
- *To change the color or line width, select [COLR] or the [≡] tool on the Blackboard screen. (See "Drawing Tools" on page 19.)*

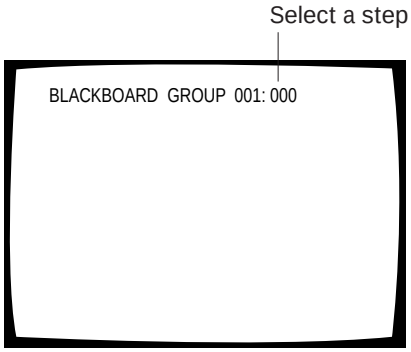


Freehand drawing is possible by holding the mouse's left button.

GROUPING VIDEO BLACKBOARDS







GROUPING BLACKBOARDS

Blackboards can be registered by dividing them into groups according to the disc and title to enable selective use later.
This makes it possible to store drawn characters and pictures in positions matching the played images.
Pictures and characters comprising groups are also stored as steps.
When executing the blackboards, arbitrary registered blackboard groups can be selected and displayed.
It is also possible to delete blackboards on a per-group basis.
When ▶ (pointer) appears to the left of DISPLAY or GROUP on the setup screen (refer to page 20), the group can be selected by pressing NEXT, PREV. Pressing SAVE will then enter that group.
When ▶ (pointer) appears to the left of GROUP, pressing the DEL button will cancel that groups content.

EXECUTING AN ENTIRE GROUP TO EXECUTE A GROUP

1. **Press the FUNCTION button.**

2. **Press the MEMORY RECALL button twice.**
- The step section blinks.
- The step section should continue displaying 000.
- When the step is 000, the entire group will be executed.
- When a step is selected, only the selected step in the group will be executed.

3. **Press PREV.**

4. **Input the number of the group to be recalled/executed using the numeric buttons.**

5. **Press the NEXT button twice.**
- This starts execution according to the selected blackboard.

TO EXECUTE STEPS IN A GROUP

1. **Press the FUNCTION button.**

2. **Press the MEMORY RECALL button twice.**

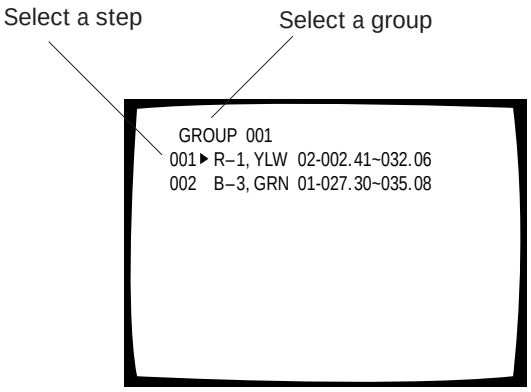
3. **Press PREV if you want to switch the group.**
- If you do not want to change the group, go to step 6 below.

4. **Input the number of the group to be recalled/executed using the numeric buttons.**

5. **Press the NEXT button.**

6. **Input the number of the step to begin execution using the numeric buttons.**

7. **Press the NEXT button.**
- This starts execution of the selected step in the selected group.
- The step setup is released after the step has been executed.



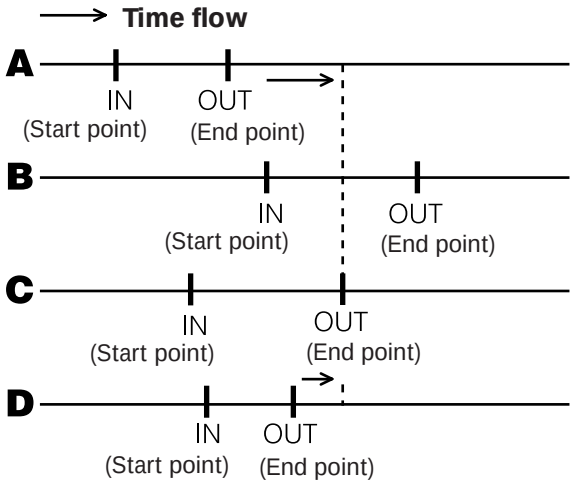
RECALLING/EXECUTING PREVIOUSLY INPUT BLACKBOARDS WHILE OBSERVING THEIR LIST

1. **Press the FUNCTION button.**
2. **Press the MEMORY RECALL button twice.**
3. **Press the FUNCTION button and press the DISP REPEAT button.**
   ●This displays a list of commands.
4. **Select a group by pressing the NEXT or PREV button.**
5. **Select a step by pressing the NEXT or PREV button.**
6. **Press the ENTER button.**

NOTE

Press the >10 CLEAR button to clear the characters or pictures being displayed. However, characters and pictures that have been set with the AUTO DISP button cannot be cleared with the >10 CLEAR button.

Example



Display of the recalled characters and pictures

Characters and pictures recalled by "Executing an entire group" are not displayed in the order they were registered but in order of the locations of the set display start points. When a characters or picture is displayed while another character or picture is already displayed, the newly displayed character/picture is superimposed above the existing character/picture, and all characters/pictures are displayed until the last display end point among the set display end points.

- When pictures A and B are displayed, picture B appears after the display of picture A has ended.
- When pictures A and C are displayed, picture C appears above picture A which is already displayed, and the display of pictures A and C ends at the picture C end point.
- When pictures C and D are displayed, picture D appears above picture C which is already displayed, and the display of pictures C and D ends at the picture C end point.

BARCODE STACK/COMMAND STACK FUNCTION

DVD

INTRODUCTION

This player can be used as follows using the Barcode stack/ Command stack function

- Commands in the barcode book included with the disc can be memorized in the player in advance. (Barcode stack function.)
- Barcodes can be set using the provided remote control for discs that do not have barcodes, or for commands that you want to use that are not provided with barcodes. (Command stack function.)
- The remote control can be used for recall and successive execution or step by step execution of memorized content.

CAUTION:

In the case of laser barcode compatible discs, barcodes for industrial LD use can be used as is (please check that such discs include the LB LaserBarcode 2 mark). Use of the LB LB LaserBarcode 2 barcode sheet for unmarked discs is not possible.

CAUTION:

The Barcode stack/Command stack function will not operate with CDs.

NOTE:

The maximum number of steps that can be memorized in the player is 300 steps including video blackboards.

BASIC USAGE

How to use the barcode stack/command stack function is indicated as follows:

1) Display the barcode stack/command stack setup screen with the remote control ➡ Page 25

2) Input the barcode with the barcode reader and transmit to player ➡ Page 26

- Input can also be done with the remote control unit.
  In the case of LaserBarcode compatible discs ➡ page30
  In the case of regular DVD discs ➡ Page26~29

3) Repeat step 2 in the desired playback order.

4) When input is finished, store in the player's memory ➡ Page 31

5) Execution ➡ Page42, 43

ADVANCED USAGE

With the barcode stack/command stack function of this unit, groups can be divided and memorized without influencing previously input commands.
This is convenient for separate memorization of contents of more than one disc, or when one player is being jointly used by many people.

To register a group separate to the already previously memorized content

1) Register a new group ➡ Page 35

"GROUP 002" on the top right of the barcode stack/ command stack input screen is the group number that will be memorized.
As the group number will be important for execution, please make a note of it so that you do not forget it.

2) Input the barcode with the barcode reader and transmit to player ➡ Page 26

- Input can also be done with the remote control unit.
  In the case of laser barcode compatible discs ➡ Page 30
  In the case of regular DVD discs ➡ Page 26~29

3) Repeat step 2 in the desired playback order.

4) When input is finished, store in the player's memory ➡ Page 31

5) Execution ➡ Page 42, 43

At this time please select the group number that was noted in step 1.

NOTE:

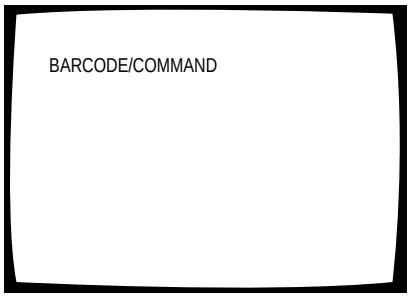
Commands stored in the player's memory can be grouped together or divided ➡ Page 38~41.
Please note, however, that the order of commands can not

BARCODE/COMMAND STACK SETTING

The player can store commands input using LASERBARCORD 2 and DVD barcodes. The stored commands can be recalled for either successive or step-by-step execution.

DISPLAYING THE BARCODE/COMMAND STACK SCREEN

1

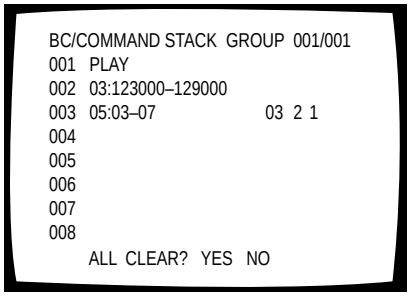


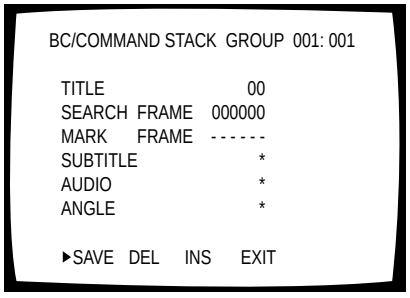
BARCODE/COMMAND STACK screen

1. Press the MEMORY/RECALL button.

- "BARCODE/COMMAND" is displayed.

2





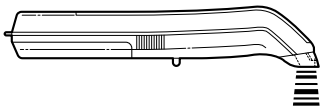
2. Press the 5 ENTER button.

- The Barcode/Command Stack screen is displayed.
- If barcodes have already been input, their data are shown in the screen.
  Select whether barcodes are to be input by erasing existing barcodes or by adding them to the existing barcodes.
- To input new barcodes from the beginning, select "YES" with the 4 or 6 button and press the 5 ENTER button.
- To add new barcodes to existing barcodes, select "NO" with the 4 or 6 button and press the 5 ENTER button.
- Press the 5 ENTER button to display the Barcode/Command Stack Input screen.
- When barcodes have not been input, the BARCODE/COMMAND STACK input screen will be displayed.

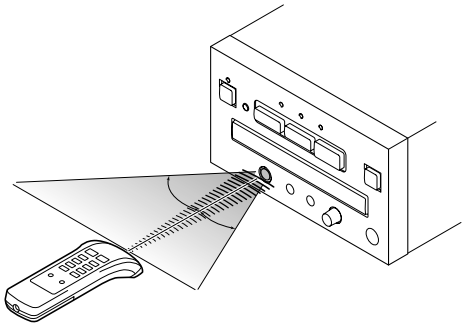
> The barcode/command stack input screen appears.
> - The setting procedure of this screen will be described in the subsequent pages.
> - Barcode/Command Stacks can be set directly using a barcode reader (optional) or set using the remote control unit.

BARCODE/COMMAND STACK SETTING

1



2



DIRECT SETTING USING A BARCODE READER

1. Read a barcode with a barcode reader.

2. Send it to the player.

Example 1) Read "PLAY" and send it.
Example 2) Read "Play Title 8 Chapters 5 to 12 with Subtitle 3, Audio 2 and Angle 1" and send it.

SETTING USING THE REMOTE CONTROL UNIT

Five commands including Play ►, Pause ❚❚, ◄❚❚ Still/Step ❚❚► and Stop ■ can be set using the remote control unit.
The chapter search, chapter play, frame search and frame segment play commands can also be set using the remote control unit.

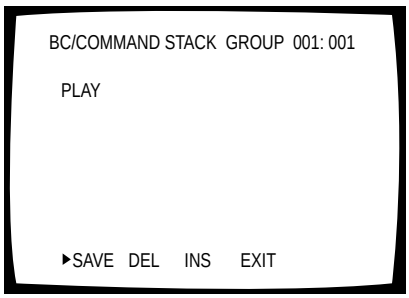
1. Press the [TITLE] button.

- The TITLE number will blink and the input mode will be selected.

Example 1) To set "Play"

Press the [►/■] button.

- The Barcode/Command Stack Input screen shows "PLAY" and increments to the next Input screen.



Display when the example on the right is input

Example 2) To "Play Title 3 Frames 1230000 to 129000"

```
BC/COMMAND STACK  GROUP  001: 001

TITLE                 03
SEARCH  FRAME   123000
MARK    FRAME   129000


▶SAVE  DEL   INS   EXIT
```

Display when the example on the right is input

1. **Press the [0 TITLE] button.**
   - The TITLE number will blink.
2. **Press the [FUNCTION] button to initiate the numeral input mode.**
3. **Press [CHP/FRM /TIME] to select SEARCH FRAME.**
   - This item sets the frame number where playback should start.
   - Each press switches "CHAPTER" and "FRAME" alternately.
4. **Press [1] → [2] → [3] → [0 TITLE] → [0 TITLE] → [0 TITLE] → [NEXT].**
   - This sets the start frame number.
   - If the operation up to the present has been performed during playback, the input start frame is searched now.
5. **Press [1] → [2] → [9] → [0 TITLE] → [0 TITLE] → [0 TITLE] → [NEXT].**
   - This sets the end frame number. Now go to the next step.
6. **Press the [FUNCTION] button to return to the cursor mode.**
   - If the operation in steps 4 and 5 is performed during playback, you can press [5 ENTER] in place of specifying the frame number in steps 4 and 5 above. In this case, the frame number being played is input automatically.

Example 3) To "Play Title 5 Chapters 3 to 7 with Subtitle 3, Audio 2 and Angle 1"

```
BC/COMMAND STACK  GROUP  001: 001

TITLE                 05
SEARCH  CHAPTER       03
MARK    CHAPTER       08
SUBTITLE              03
AUDIO                  2
ANGLE                  1

▶SAVE  DEL   INS   EXIT
```

Display when the example on the right is input

1. **Press the [0 TITLE] button.**
   - The TITLE number will blink.
2. **Press the [FUNCTION] to initiate the numeral input mode.**
3. **Press [5 ENTER] → [NEXT].**
   - This sets title 5 and the frame input mode starts.
4. **Press [CHP/FRM /TIME] to select SEARCH CHAPTER.**
   - This item sets the chapter number where playback should start.
   - Each press switches "CHAPTER" and "FRAME" alternately.
5. **Press [3] → [NEXT].**
   - This sets the start chapter number.
6. **Press [8] → [NEXT].**
   - This sets the end chapter number.
7. **Press [3] → [NEXT].**
   - This sets Subtitle 3.
8. **Press [2]. (Do not press [NEXT].)**
   - This sets Audio 2.
9. **Press [1]. (Do not press [NEXT].)**
   - This sets Angle 1. Now go to the next step.
10. **Press the [FUNCTION] to return to the cursor mode.**

CAUTION

To play chapter 7 till the end as shown in Example 3), enter "8", obtained by adding 1 to 7, in MARK CHAPTER.

```
BC/COMMAND STACK  GROUP  001: 001

 TITLE                  00
 SEARCH  FRAME   000000
 MARK    FRAME   ------
 SUBTITLE                01
 AUDIO                    2
 ANGLE                    3

 ▸SAVE  DEL   INS   EXIT
```

Pressing the [DISP REPEAT] button switches over to the following display.

```
BC/COMMAND STACK  GROUP  001/ 001
001▸SUBTITLE 01   AUDIO 2   ANGLE 3
002  03:10000–15000
003
004
005
006
007
008
 ▸SAVE  DEL   INS   EXIT
```

```
BC/COMMAND STACK  GROUP  001: 001

 TITLE                  03
 SEARCH  FRAME   123000
 MARK    FRAME   129000

 ▸SAVE  DEL   INS   EXIT
```

```
BC/COMMAND STACK  GROUP  001: 002

 TITLE                  00
 SEARCH  FRAME   000000
 MARK    FRAME   ------
 SUBTITLE                 *
 AUDIO                    *
 ANGLE                    *

 ▸SAVE  DEL   INS   EXIT
```

```
BC/COMMAND STACK  GROUP  001: 002

 REPEAT

 ▸SAVE  DEL   INS   EXIT
```

Example 4) To input the command for setting Subtitle 1, Audio 2 and Angle 3

1. **Press the [TITLE] button.**
   - The TITLE number will blink.
2. **Press the [SUBTITLE RPT A-B] while the TITLE digits are blinking.**
3. **When the SUBTITLE digits start to blink, press [1] then [NEXT].**
4. **When the AUDIO digit starts to blink, press [2].**
5. **When the ANGLE digital starts to blink, press [3].**

- With a play command that specifies the start and end frames, it is not possible to set the subtitle, audio and angle simultaneously. However, by placing the subtitle, audio and angle setting command as described above before the frame section play command, the section playback can be executed with the specified setting.

The input as shown above allows to play title 3 frames 10000 to 15000 by setting Subtitle 1, Audio 2 and Angle 3.

With commands other than the frame section play command, such as the frame search, chapter search and chapter section play commands, the specified setting is valid within each command.

Example 5) To repeat "Play Title 3 frames 123000 to 129000" in Example 2

1. **Perform steps 1 to 6 in Example 2.**
   - The BARCODE/COMMAND STACK input screen of the next step appears.
2. **Press the [FUNCTION] button while the title number is blinking.**
3. **Press the [SUBTITLE RPT A-B] button.**
   - The REPEAT indicator appears on the screen.

SETTING THE SUBTITLE, AUDIO AND ANGLE

SUBTITLE
- "00" turns the screen color to the color specified in "Background color" in the GUI menu and makes the played image invisible.
- "01" to "32" displays the corresponding subtitle.
- "33" plays with Subtitle OFF.
- "34" is used to make the played image made invisible with "00" visible again.
- "99" retains the previous condition. This is used to change other setting than SUBTITLE while maintaining the SUBTITLE setting the same.
- "35" to "98" are invalid.

AUDIO
- "0" plays image with Audio OFF.
- "1" to "8" selects and plays the corresponding audio.
- "9" retains the previous condition.

ANGLE
- "1" to "8" selects and plays the corresponding angle.
- "9" retains the previous condition.
- "0" selects and plays Angle 9.

CAUTION
- *When "retain the previous condition" is selected, "*" is displayed in the input screen.*
- *The barcode/command stack cannot be executed if a value that does not exist in the disc is input.*

TO USE ONLY THE CHAPTER SEARCH OR FRAME SEARCH

In item "MARK CHAPTER" or "MARK FRAME", simply press the NEXT button without setting anything.
A still image is displayed after search., still image is displayed after search.

TO CHANGE A VALUE DURING INPUT

Press the numeric button of the correct number (including 0).
To return to a previous setting point, press the PREV button.

TO CANCEL INPUT IN THE MIDDLE

Press the FUNCTION button to return to the cursor mode, move the ▶ (pointer) to "EXIT" by pressing the button and press the ENTER button.

SETUP OF LASERBARCODE COMPATIBLE DISCS

```
BC/COMMAND STACK  GROUP  001: 001

TITLE                  LD
SEARCH  FRAME     01500
MARK    FRAME     01800
VIDEO                  0
AUDIO                  3
```

Display when the example on the right is input

Example) Playback of "analog stereo" audio channel from frame 1500 to 1800 without video.

1. **Press the [0 TITLE] button.**
   - The TITLE number will blink.
2. **Press the [NEXT] button to display LD.**
   - Be sure to set the laser barcode compatible disc command to the TITLE LD display.
3. **Press [1] → [5 ENTER] → [0 TITLE] → [0 TITLE] → [NEXT].**
   - The start frame number is entered.
   - If the procedure up until this point has been done during playback, the start frame that was input is searched for.
4. **Press [1] → [8] → [0 TITLE] → [0 TITLE] → [NEXT].**
   - The stop frame number is entered.
5. **As the VIDEO number will blink, press [0 TITLE].**
   - The playback picture disappears.
6. **As the AUDIO number will blink, press [3].**
   - Audio will be entered and the next step proceeded to.
7. **Press the [FUNCTION] button to return to the cursor mode.**

NOTE:

Pressing the [CHP/FRM /TIME] button after step 2 will select the chapter input mode. Refer to example 3 on page 27 for the input methods of SEARCH CHAPTER and MARK CHAPTER.

VIDEO, AUDIO SETUP

VIDEO:

- Inputting 1 selects normal video output.
- Inputting 0 selects the background color set on the GUI menu and cancels the playback picture.
- Inputting 9 maintains the previous mode. Input when you want to leave the VIDEO setting as is and change other settings.
- 2 to 8 are invalid.

AUDIO:

On laser barcode compatible discs, laser disc digital audio and analog audio are converted and recorded in the DVD format.
Audio can be selected as follows.

- Inputting 0 selects the Audio OFF playback mode.
- Inputting 1 selects the "Analog audio 1/L" playback mode.
- Inputting 2 selects the "Analog audio 2/R" playback mode.
- Inputting 3 selects the "Analog audio" stereo mode.
- Inputting 5 selects the "Digital audio 1/L" mode.
- Inputting 6 selects the "Digital audio 2/R" mode.
- Inputting 7 selects the "Digital audio" stereo mode.
- Inputting 9 maintains the previous mode.
- 4 and 8 are invalid.

CAUTION:

When "Maintaining previous mode" is selected "" is displayed on the input screen.*

```
BC/COMMAND STACK  GROUP  001: 001

 TITLE                 05
 SEARCH  CHAPTER       03
 MARK    CHAPTER       08
 SUBTITLE              03
 AUDIO                  2
 ANGLE                  1

 ▶SAVE  DEL   INS   EXIT
```

```
BC/COMMAND STACK  GROUP  001: 002

 TITLE                 00
 SEARCH  FRAME    000000
 MARK    FRAME    000000
 SUBTITLE               *
 AUDIO                  *
 ANGLE                  *

 ▶SAVE  DEL   INS   EXIT
```

The display disappears.

SAVING A BARCODE/COMMAND STACK

When the input operations shown in the example have completed till the end, the bar code stack/command stack input screen for the next step appears in a few seconds.

When this screen appears, press the 4 or 6 button to move ▶ (pointer) to SAVE and press the 5 ENTER button.

- The display disappears and the input information is saved.

NOTES:

- *The input information is not saved if ▶ (pointer) is moved to SAVE and the 5 ENTER button is pressed before the bar code stack/command stack input screen for the next step appears.*
- *The input information is not saved if ▶ (pointer) is moved to EXIT and the 5 ENTER button is pressed.*

TO DELETE A PREVIOUSLY INPUT BARCODE/COMMAND STACK

```
BC/COMMAND STACK  GROUP  001/ 001
001▶PLAY
002   03:123000–129000
003   05:03–07                  03  2  1
004
005
006
007
008
   SAVE ▶DEL    INS    EXIT
```

```
BC/COMMAND STACK  GROUP  001/ 001
001▶03:123000–129000
002   05:03–07                  03  2  1
003
004
005
006
007
008
   SAVE ▶DEL    INS    EXIT
```

TO DELETE A PREVIOUSLY INPUT BARCODE/ COMMAND STACK

1. Press the [MEMORY RECALL] button.

- "BARCODE/COMMAND" is displayed.

2. Press the [ENTER] button.

- The Barcode/Command Stack screen is displayed.

3. Select "NO" with the [4] or [6] button and press the [ENTER] button.

- The Barcode/Command Stack Input screen is displayed when the [ENTER] button is pressed.

4. Press the [DISP REPEAT] button.

- The list display appears.

5. Move the ▶ (pointer) to "DEL" by pressing the [6] button.

6. Select the step to be deleted by pressing the [8] or [2] button.

7. Press the [ENTER] button.

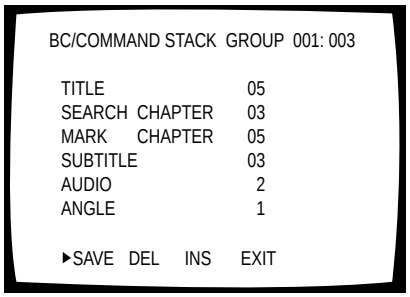
- The selected step is deleted and the numbers of the subsequent steps are decremented by 1.

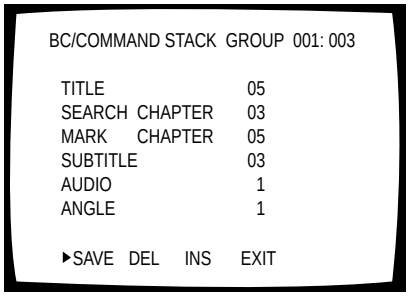
8. Move the ▶ (pointer) to "SAVE" by pressing the [ENTER] button and press the [4] button.

IMPORTANT:

Even if you have come to step 7 in the above deletion procedure, you can still abort deletion by moving the ▶ (pointer) to "EXIT" by pressing the [6] button then pressing the [ENTER] button. The deletion is entered in memory when the SAVE" operation is performed in step 8.

CORRECTING A PREVIOUSLY INPUT BARCODE/COMMAND STACK





CORRECTING A PREVIOUSLY INPUT BARCODE/COMMAND STACK

Example) To change the Audio setting of step 003 from 2 to 1

1. **Press the [MEMORY RECALL] button.**
   - "BARCODE/COMMAND" is displayed.
2. **Press the [ENTER] button.**
   - The Barcode/Command Stack screen is displayed.
3. **Select "NO" with the [◀] or [▶] button and press the [ENTER] button.**
   - The Barcode/Command Stack Input screen is displayed when the [ENTER] button is pressed.
4. **Press the [DISP REPEAT] button.**
   - The list display appears.
5. **Select "003 ▶" by pressing the [▲] or [▼] button.**
6. **Press the [TITLE] button.**
   - This initiates the Barcode/Command Stack input mode.
7. **Press the [FUNCTION] button to initiate the numeral input mode.**
8. **Press the [NEXT] button 4 times to select item "AUDIO".**
9. **Press [1] button.**
10. **Press [NEXT] button.**
    - The next step's Barcode/Command Input screen is displayed.
11. **Press the [FUNCTION] button to return to the cursor mode.**
12. **Move the ▶ (pointer) to "SAVE" by pressing the [◀] button and press the [ENTER] button.**

CAUTION:

To save the corrected information, move ▶ (pointer) to the last item (ANGLE in this example) by pressing the [NEXT] button repeatedly.

Press the [NEXT] button one more time to move to the page for the next step.

In this "next step", move ▶ (pointer) to SAVE and press the [ENTER] button to save data.

The corrected information is not saved if ▶ (pointer) is moved to SAVE and the [ENTER] button is pressed before the end of correction (in the middle of the step being corrected).

```
BC/COMMAND STACK  GROUP  001/ 001
001   PLAY
002 ▶
003   03:123000–129000
004   05:03–07                  03  2  1
005
006
007
008
   SAVE   DEL   ▶INS     EXIT
```

ADDING A STEP IN A PREVIOUSLY INPUT BARCODE/COMMAND STACK

1. **Perform steps 1 to 4 of "Correcting a previously input Barcode/Command Stack".**

2. **Select the step where a new step is to be inserted by pressing the 8 or 2 button.**

3. **Move the > (pointer) to "INS" by pressing the 4 or 6 button and press the 5 ENTER button.**
   - This inserts a new step before the selected step and the numbers of subsequent steps are incremented by 1.

4. **Press the 0 TITLE button.**
   - This initiates the Barcode/Command Stack input mode.

5. **Press the FUNCTION button to initiate the numeral input mode.**

6. **Set a step in the same way as "Setting a barcode command".**

7. **Move the ▶ (pointer) to "SAVE" by pressing the 4 button and press the 5 ENTER button.**

1

```
BARCODE/COMMAND
```

2

```
BC/COMMAND STACK  GROUP  001/001
001  PLAY
002  03:123000–129000
003  05:03–07                03  2  1
004
005
006
007
008
     ALL CLEAR?  YES  NO
```

3

```
BC/COMMAND STACK  GROUP  001: 004

 TITLE                  00
 SEARCH  FRAME   000000
 MARK    FRAME   ------
 SUBTITLE                *
 AUDIO                   *
 ANGLE                   *

 ▶SAVE  DEL   INS   EXIT
```

4

```
BC/COMMAND STACK  GROUP  001/ 001
001  PLAY
002  03:123000–129000
003  05:03–07                03  2  1
004▶
005
006
007
008
 ▶SAVE  DEL   INS   EXIT
```

5

```
BC/COMMAND STACK  GROUP  002: 001

 TITLE                  00
 SEARCH  FRAME   000000
 MARK    FRAME   ------
 SUBTITLE                *
 AUDIO                   *
 ANGLE                   *

 ▶SAVE  DEL   INS   EXIT
```

GROUPING SOME BARCODE/COMMAND STACKS

Grouping of Barcode/Command Stacks
A group can be formed with several Barcode/Command Stacks, and more than one group can be formed and stored. When executing a group of commands, select a group from the stored groups and execute them either consecutively or step by step. It is also possible to divide or delete a group.

The following procedure consists of inserting a group delimiter after a group of barcode commands.

1. Press the [MEMORY RECALL] button.

- "BARCODE/COMMAND" is displayed.

2. Press the [ENTER] button.

- The Barcode/Command Stack screen is displayed.

3. Select "NO" with the [◀] or [▶] button and press the [ENTER] button.

- The Barcode/Command Stack Input screen is displayed when the [ENTER] button is pressed.

4. Press the [DISP REPEAT] button.

- The list display appears.
- Make sure that the ▶ (pointer) is located at the step immediately following the last entry.

5. Press the [NEXT] button.

- The input screen for the first step of the next Barcode/Command Stack group appears.
- The Barcode/Command Stacks of the next group can be set from here.

GROUPING SOME BARCODE/COMMAND STACKS

```
BC/COMMAND STACK  GROUP  001/ 003
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004 ▶
005
006
007
008
 ▶SAVE   DEL    INS     EXIT
```

▶▶| L NEXT ↕ |◀◀ K PREV

```
BC/COMMAND STACK  GROUP  002/ 001
001 ▶SUBTITLE 01   AUDIO 2   ANGLE 3
002   03:10000–15000
003
004
005
006
007
008
 ▶SAVE   DEL    INS     EXIT
```

SWITCHING THE BARCODE/COMMAND STACK GROUP

1. Press the MEMORY RECALL button.

- "BARCODE/COMMAND" is displayed.

2. Press the 5 ENTER button.

- The Barcode/Command Stack screen is displayed.

3. Select "NO" with the 4 T ◀ or 6 U ▶ button and press the 5 ENTER button.

- The Barcode Input screen is displayed when the 5 ENTER button is pressed.

4. Press the DISP REPEAT button.

- The list display appears.

5. Press the ▶▶| L NEXT or |◀◀ K PREV button.

- Pressing the ▶▶| L NEXT button switches over to the next group.
- Pressing the |◀◀ K PREV button switches over to the previous group.

1

```
BARCODE/COMMAND
```

DELETING A GROUP

1. Press the MEMORY RECALL button.

- "BARCODE/COMMAND" is displayed.

2

```
BC/COMMAND STACK  GROUP  001/001
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004
005
006
007
008
      ALL  CLEAR?   YES   NO
```

2. Press the 5 ENTER button.

- The Barcode/Command Stack screen is displayed.

3

```
BC/COMMAND STACK  GROUP  001: 004

 TITLE                    00
 SEARCH  FRAME    000000
 MARK     FRAME   ------
 SUBTITLE                  *
 AUDIO                     *
 ANGLE                     *

 ▶SAVE   DEL    INS     EXIT
```

3. Select "NO" with the 4 T ◀ or 6 U ▶ button and press the 5 ENTER button.

- The Barcode Input screen is displayed when the 5 ENTER button is pressed.

4

```
BC/COMMAND STACK  GROUP  001/ 001
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004▶
005
006
007
008
 ▶SAVE   DEL    INS    EXIT
```

4. Press the [DISP REPEAT] button.

- The list display appears.

5

```
BC/COMMAND STACK▶GROUP  001/ 001
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004
005
006
007
008
 ▶SAVE   DEL    INS    EXIT
```

5. Select the group to be deleted by pressing the [▶▶| NEXT] or [▶▶| NEXT] button.

6

```
BC/COMMAND STACK▶GROUP  001/ 001
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004
005
006
007
008
   SAVE▶DEL    INS    EXIT
```

6. Move the ▶ (pointer) to "GROUP" on the first line by pressing the [8 R] button.

7-8

```
BC/COMMAND STACK  GROUP  001/ 001
001▶
002
003
004
005
006
007
008
   SAVE▶DEL    INS    EXIT
```

7. Move the ▶ (pointer) to "DEL" by pressing the [6 U] button.

8. Press the [5 ENTER] button.

- This deletes the selected group.

9

```
BC/COMMAND STACK  GROUP  001/ 001
001▶
002
003
004
005
006
007
008
 ▶SAVE   DEL    INS    EXIT
```

9. Move the ▶ (pointer) to "SAVE" by pressing the [6 U] button and press the [5 ENTER] button.

IMPORTANT

Even if you have come to step 8 in the above deletion procedure, you can still abort deletion by moving the ▶ (pointer) to "EXIT" by pressing the [6 U] button then pressing the [5 ENTER] button. The deletion is entered in memory when the SAVE" operation is performed in step 9.

GROUPING SOME BARCODE/COMMAND STACKS

1

```
BARCODE/COMMAND
```

DIVIDING A PREVIOUSLY INPUT GROUP

1. Press the [MEMORY RECALL] button.

- "BARCODE/COMMAND" is displayed.

2

```
BC/COMMAND STACK  GROUP  001/001
001   PLAY
002   03:123000–129000
003   05:03–07                  03  2  1
004
005
006
007
008
      ALL  CLEAR?   YES   NO
```

2. Press the [5 ENTER] button.

- The Barcode/Command Stack screen is displayed.

3

```
BC/COMMAND STACK  GROUP  001: 004

  TITLE                    00
  SEARCH  FRAME   000000
  MARK     FRAME   - - - - - -
  SUBTITLE                  *
  AUDIO                     *
  ANGLE                     *

  ▶SAVE   DEL    INS    EXIT
```

3. Select "NO" with the [4] or [6] button and press the [5 ENTER] button.

- The Barcode/Command Stack Input screen is displayed when the [5 ENTER] button is pressed.

4

```
BC/COMMAND STACK  GROUP  001/ 001
001   PLAY
002   03:123000–129000
003   05:03–07                  03  2  1
004▶
005
006
007
008
  ▶SAVE   DEL    INS    EXIT
```

4. Press the [DISP REPEAT] button.

- The list display appears.

5

```
BC/COMMAND STACK  GROUP  001/ 001
001   PLAY
002▶03:123000–129000
003   05:03–07                  03  2  1
004
005
006
007
008
  ▶SAVE   DEL    INS    EXIT
```

5. Select the step where the existing group is to be divided by pressing the [8] or [2] button.

- Move the ▶ (pointer) the first step of the group created by division.

6

```
BC/COMMAND STACK  GROUP  001/ 001
001  PLAY
002▶03:123000–129000
003  05:03–07                 03  2  1
004
005
006
007
008
   SAVE   DEL  ▶INS    EXIT
```

6. Move the ▶ (pointer) to "INS" by pressing the 4 or 6 button.

7

```
BC/COMMAND STACK  GROUP  001/ 001
001  PLAY
002▶
003  03:123000–129000
004  05:03–07                 03  2  1
005
006
007
008
   SAVE   DEL  ▶INS    EXIT
```

7. Press the 5 ENTER button.

- This inserts a vacant step before the selected step and the numbers of subsequent steps are incremented by 1.

8

```
BC/COMMAND STACK  GROUP  002: 001

 TITLE                    03
 SEARCH  FRAME   123000
 MARK    FRAME   129000


 ▶SAVE   DEL    INS    EXIT
```

8. Press the ▶▶ NEXT button.

- This divides the existing group at the vacant step.
- A new group is created. The Barcode/Command Stack Input screen of the first step of the newly created group is displayed.

9

```
BC/COMMAND STACK  GROUP  002: 001

 TITLE                    03
 SEARCH  FRAME   123000
 MARK    FRAME   129000


 ▶SAVE   DEL    INS    EXIT
```

9. Move the ▶ (pointer) to "SAVE" by pressing the 6 button and press the 5 ENTER button.

IMPORTANT

Even if you have come to step 8 in the above group procedure, you can still abort group by moving the ▶ (pointer) to "EXIT" by pressing the 4 button then pressing the 5 ENTER button. The group is entered in memory when the SAVE" operation is performed in step 9.

GROUPING SOME BARCODE/COMMAND STACKS

JOINING TWO BARCODE/COMMAND STACK GROUPS

1

```
BARCODE/COMMAND
```

1. Press the [MEMORY RECALL] button.

- "BARCODE/COMMAND" is displayed.

2

```
BC/COMMAND STACK  GROUP  004/004
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004
005
006
007
008
      ALL  CLEAR?   YES   NO
```

2. Press the [ENTER] button.

- The Barcode/Command Stack screen is displayed.

3

```
BC/COMMAND STACK  GROUP  004: 004

  TITLE                  00
  SEARCH  FRAME   000000
  MARK     FRAME   000000
  SUBTITLE                *
  AUDIO                   *
  ANGLE                   *

  ▶SAVE   DEL    INS    EXIT
```

3. Select "NO" with the [◀] or [▶] button and press the [ENTER] button.

- The Barcode/Command Stack Input screen is displayed when the [ENTER] button is pressed.

4

```
BC/COMMAND STACK  GROUP  004/004
001   PLAY
002   03:123000–129000
003   05:03–07                03  2  1
004▶
005
006
007
008
  ▶SAVE   DEL    INS    EXIT
```

4. Press the [DISP REPEAT] button.

- The list display of the last group that was input is displayed.

5

```
BC/COMMAND STACK  GROUP  003/ 004
001   02:000150–002050
002   06:22–23                *  *  *
003▶
004
005
006
007
008
  ▶SAVE   DEL    INS    EXIT
```

5. Change the group with the [PREV] button.

- Move the ▶ (pointer) to the next step of the previously input number with the [▲] or [▼] button. This becomes the division point.

6

```
BC/COMMAND STACK  GROUP  003/ 004
001   02:000150–002050
002   06:22–23                 * * *
003▶
004
005
006
007
008
   SAVE ▶DEL    INS    EXIT
```

6. Move the ▶ (pointer) to "DEL" by pressing the button.

7

```
BC/COMMAND STACK  GROUP  003/ 003
001   02:000150–002050
002   06:22–23                 * * *
003▶PLAY
004   03:123000–129000
005   05:03–07                 03 2 1
006
007
008
   SAVE ▶DEL    INS    EXIT
```

7. Press the ENTER button.

- This deletes the group delimiter and joins the current group with the next group to it.
- The numbers of the groups after the current group are decremented by 1.

8

```
BC/COMMAND STACK  GROUP  003/ 003
001   02:000150–002050
002   06:22–23                 * * *
003▶PLAY
004   03:123000–129000
005   05:03–07                 03 2 1
006
007
008
 ▶SAVE   DEL    INS    EXIT
```

8. Move the ▶ (pointer) to "SAVE" by pressing the button and press the ENTER button.

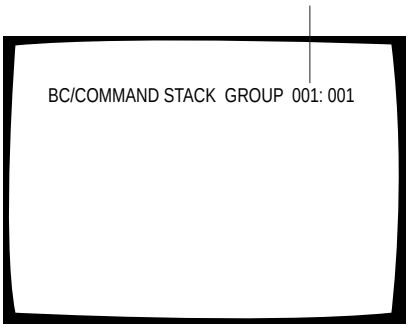
IMPORTANT

Even if you have come to step 7 in the above group Joining, you can still abort group by moving the ▶ (pointer) to "EXIT" by pressing the button then pressing the ENTER button. The group is entered in memory when the SAVE" operation is performed in step 8.

USING A BARCODE/COMAND STACK

RECALLING/EXECUTING BARCODE COMMANDS IN MEMORY

Switch the command group.



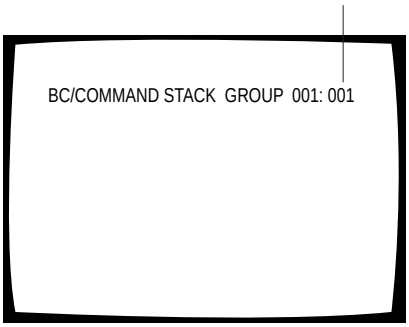
Recall screen

To execute a barcode command group:
Place the disc containing commands on the disc tray.

1. **Press the FUNCTION button.**
2. **Press the MEMORY RECALL button.**
3. **Press the PREV button.**
4. **Input the number of the command group to be recalled/ executed using the numeric buttons.**
5. **Press the NEXT button twice.**
   - This recalls and executes the selected group.

TO EXECUTE STEPS IN A COMMAND GROUP

Switch the command step.



Recall screen

1. **Press the FUNCTION button.**
2. **Press the MEMORY RECALL button.**
3. **Press the PREV button.**
4. **Input the number of the command group to be recalled/ executed using the numeric buttons.**
5. **Press the NEXT button.**
   - To re-enter the group number, press the PREV button.
6. **Input the number of the step to begin execution using the numeric buttons.**
7. **Press the NEXT button.**
   - This recalls and executes the selected and subsequent steps in the selected group.

NOTES:

- *Pressing the DISP REPEAT button while the FUNCTION indicator is lit repeats the execution of the set command.*
- *If you press the NEXT button in place of the II► button in step 6 above, command steps will be executed step by step. After every step has been executed, press the NEXT button to advance to the next step. Pressing the PREV button allows you to return to the previous step.*

BC/COMMAND STACK GROUP 001/ 003
001 ▶PLAY
002 03:123000–129000
003 05:03–07 03 2 1
004
005
006
007
008

BARCODE/COMMAND STACK screen

RECALLING/EXECUTING PREVIOUSLY INPUT BARCODE COMMANDS FROM THE LIST VIEW

1. Press the FUNCTION button.

2. Press the MEMORY RECALL button.

3. Press the FUNCTION button.

- The DISP REPEAT button is defeated unless the function mode is switched off.

4. Press the DISP REPEAT button.

- This displays a list of commands.

5. Select a group by pressing the ►►I NEXT or I◄◄ PREV button.

- Select the command group containing the command(s) to be executed.

6. Select a step by pressing the 8 or 2 button.

- Select the command step to begin execution with. If the command step number is left to "001" in this step, the commands in the entire command group will be executed.

7. Press the ►/■ or II► button.

- Pressing the ►/■ button starts consecutive execution.
- Pressing the II► button starts step-by-step execution.

Some titles may not be able to be recalled and executed.
Example)
The search command cannot be executed with a title that does not show the chapter, time and similar information on the screen or with a disc that is not permitted to use the search function.

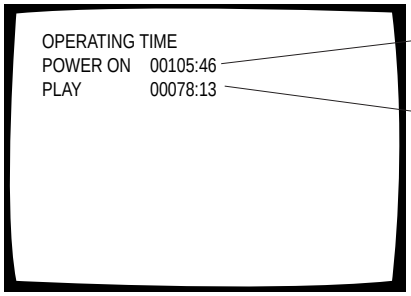
HOW TO DISPLAY TOTAL HOURS PLAYED AND TOTAL POWER ON TIME

This unit is capable of displaying the total play time and power ON time as the working condition and maintenance timing information.

The play time and power ON time can be displayed as described below.

1. **Press and hold the DISPLAY button on the front panel of the main unit before turning power ON, and press the POWER button.**

2. **The screen shows the following:**



Power ON time, which is 105 hours 46 minutes in this example.

Total play time, which is 78 hours 13 minutes in this example.

CAUTION
As the time is measured by the CPU clock, the information includes an error of up to 2%.

3. **When an operation (playback from the remote, for example) is performed, the time information display disappears and normal operation starts.**

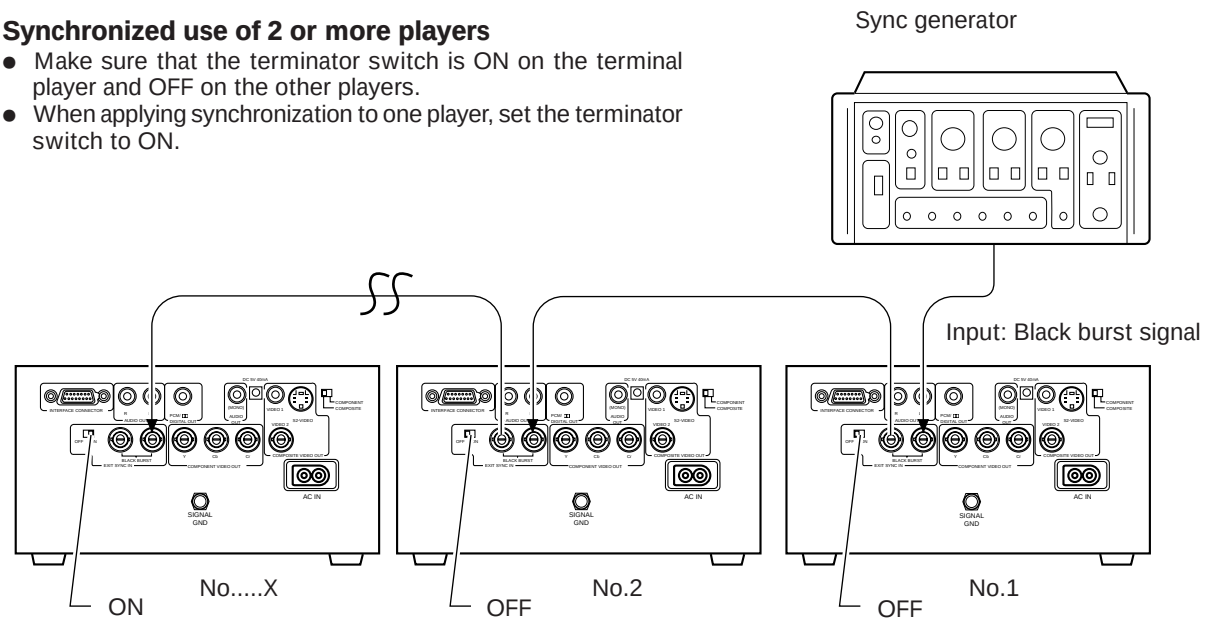
EXTERNAL SYNCHRONIZING FUNCTION

Through external input of a synchronization signal (black burst), video output signals can be synchronized with external signals on the DVD-V7200. (During DVD disc playback.)

Through the use of this function, video switch timing can be matched, and switching can be done without causing picture disturbance on the TV without the need for such devices as a TBC (Time Base Collector).

Synchronized use of 2 or more players

- Make sure that the terminator switch is ON on the terminal player and OFF on the other players.
- When applying synchronization to one player, set the terminator switch to ON.



Sync accuracy ± 1H for input synchronization signal (During DVD disc playback)

NOTE:

Externally synchronizing 2 or more DVD-V7200 players, simultaneously starting video, and obtaining sync at the frame position for playback is not possible with this player.
Because of timing of reception of the STILL to PLAY command and DVD disc content, an unevenness of approximately 2 frames may occur.

Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

1 – 8 0 0 – 8 7 2 – 4 1 5 9

Please do not ship your product to Pioneer without first calling the Customer Service Department at the above listed number for assistance.

PIONEER ELECTRONICS SERVICE, INC.
CUSTOMER SUPPORT DIVISION
P.O. BOX 1760, LONG BEACH,
CA 90801-1760, U.S.A.

For warranty information please see the Limited Warranty sheet included with your product.

Should this product require service in Canada, please contact a Pioneer authorized dealer in Canada to locate the nearest Pioneer Authorized Service Company.
Alternatively, please contact or ship your defective product freight prepaid to one of the following Factory Service locations closest to you:

Pioneer Electronics of Canada, Inc.

Factory Service East
300 Allstate Parkway
Markham, ON L3R 0P2
(905) 479-4411

Factory Service West
13911 Bridgeport Road
Richmond, BC V6V 1J6
(604) 278-1014

For warranty information please see the Limited Warranty sheet included with your product.

Si ce produit doit être réparé au Canada, veuillez vous adresser à un distributeur autorisé Pioneer au Canada pour obtenir le nom de la société de service autorisée Pioneer la plus près de chez vous. Ou encore, veuillez communiguer avec le centre de service en usine Pioneer le plus près de chez vous ou faire parvenir l'article défectueux, port payé, à ce centre.

Pioneer électroniques du Canada, Inc.

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300 Allstate Parkway
Markham (Ontario) L3R 0P2
(905) 479-4411

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13911 Bridgeport Road
Richmond (C.-B.) V6V 1J6
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Pour obtenir des renseignements sur la garantie, veuillez vous reporter au feuillet sur la Garantie Limitée gui accompagne le produit.

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